

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 1
January 5, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

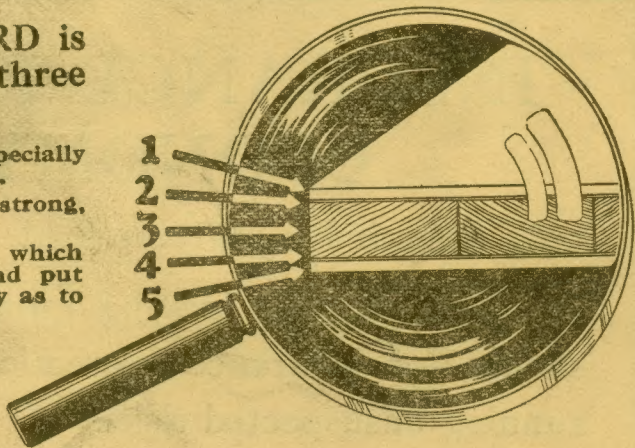
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Our Accomplishments for 1926

Electrification of:

Penn Athletic Club
New Philadelphia Public Library
Delaware River Bridge
Perishable Product Whse., B. & O. Railroad
Philadelphia Public Stadium
New House of Correction
Entire Gladway, Sesqui Centennial Associa-
tion, and many other miscellaneous jobs

What service can we be to you in 1927?



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA

LIBERTY

WHERE THIS BOOK GOES
SO DO WE
NO JOB TOO BIG OR TOO SMALL
A COMPLETE INSTITUTION
IN ALL ITS BRANCHES

HOUSE AND WINDOW CLEANING COMPANY
629 CHESTNUT STREET, Philadelphia, Pa.
BELL PHONE: LOMBARD 6400
OUR 15 YEARS EXPERIENCE YOUR GUARANTEE

SERVICE SUPERIOR
SKILLED WORKMEN
ALL JOBS PERSONALLY
SUPERVISED BY
OUR PRICES ARE
AND F

520
Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

MURLIN

MANUFACTURERS OF

Cast Exterior Ornamental LIGHTING

The proper lighting of
Developments will rapidly
increase the sale and value
of Real Estate.

It has become an essential
to Builders and Real Estate
Developers.

Our Engineering Depart-
ment is in a position to take
care of your requirements.

MURLIN MFG. CO.

5420 PASCHALL AVENUE
PHILADELPHIA, PA.

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

1711 Chestnut Street
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

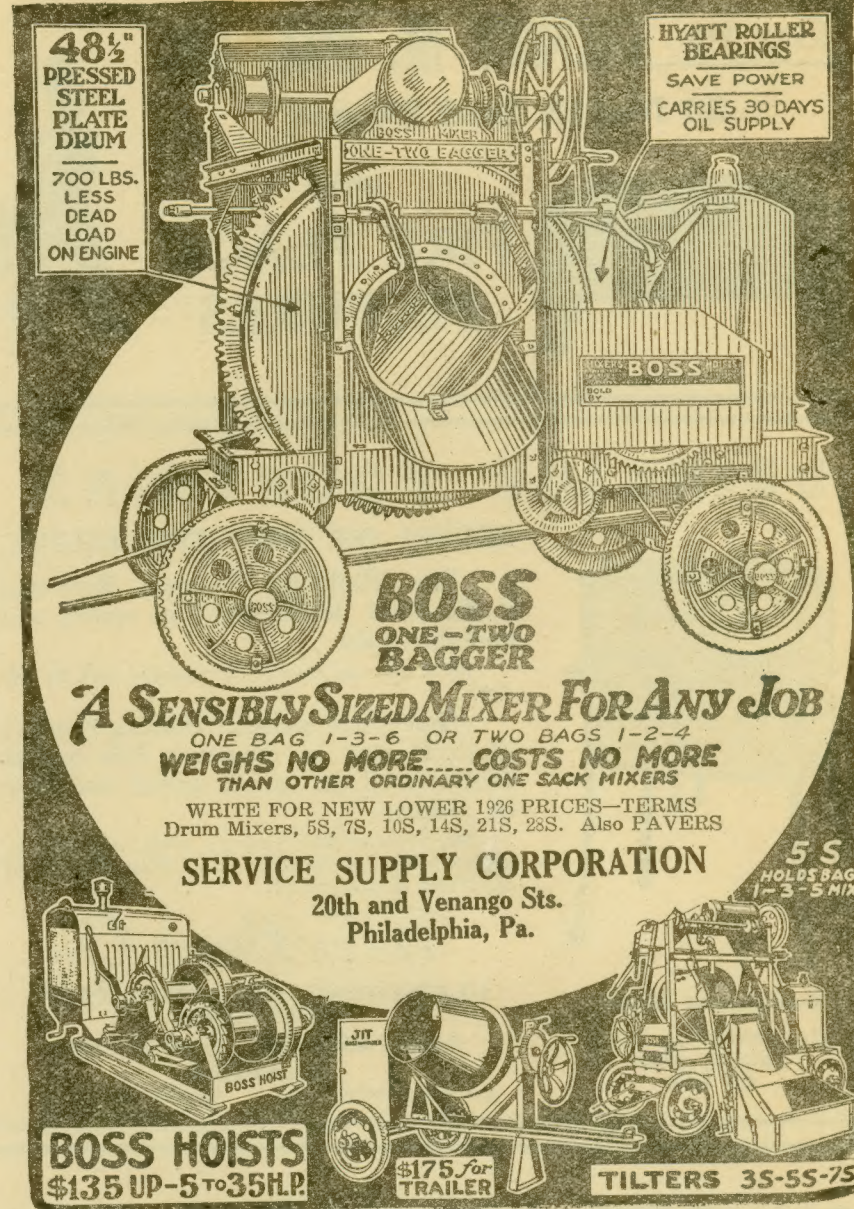
TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



48 1/2" PRESSED STEEL PLATE DRUM
700 LBS. LESS DEAD LOAD ON ENGINE

HYATT ROLLER BEARINGS
SAVE POWER
CARRIES 30 DAYS OIL SUPPLY

BOSS ONE-TWO BAGGER

A SENSIBLY SIZED MIXER FOR ANY JOB
ONE BAG 1-3-6 OR TWO BAGS 1-2-4
WEIGHS NO MORE... COSTS NO MORE
THAN OTHER ORDINARY ONE SACK MIXERS

WRITE FOR NEW LOWER 1926 PRICES—TERMS
Drum Mixers, 5S, 7S, 10S, 14S, 21S, 28S. Also PAVERS

SERVICE SUPPLY CORPORATION
20th and Venango Sts.
Philadelphia, Pa.

BOSS HOISTS
\$135 UP—5 to 35 H.P.

TILTERS 3S-5S-7S

5 S HOLDS BAG 1-3-5 MIX

BRICK

BYWOOD SCHOOL

on Garrett Road in Bywood is an excellent example of true Philadelphia Colonial brickwork.

There is probably no suburban school more quaint or attractive in its adaptation of the Colonial than this latest work of

HORACE W. CASTOR, Archt.

Beauty with Economy can always be secured by specifying for face brick

EXCELSIOR ANTIQUES

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON Pivoted Steel Sash For All Industrial Construction

25 Sizes and Ventilator Arrangements for Immediate Delivery

Regularly Specified for small as well as large buildings

Phone, write or wire

Literature on request

DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

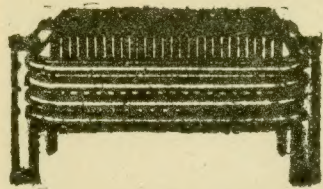
Bell—REgent 9700

Keystone—East

Free Library
364444

Go to **HENRY M. MILLER**

50 North 2nd Street

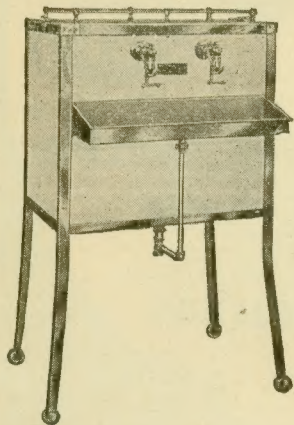


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

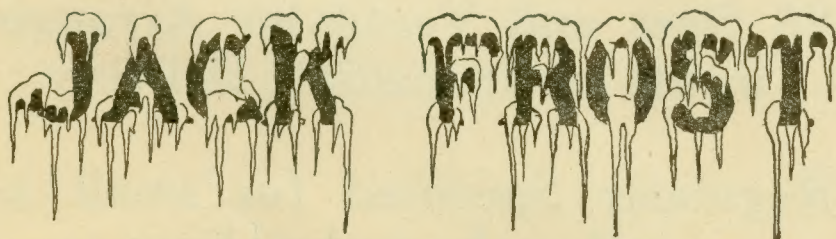
ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings
ce 1911 829-35 N. 3rd St., Phila., Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 1

PHILADELPHIA
January 5, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



Herbert Hoover, Secretary of Commerce, in response to many requests from newspapers and magazines for a statement of conditions and prospects for the coming year, issued the following statement.

A reply to requests for opinion on the New Year's economic prospects can only be based on the economic currents already born of the old year. New and unknown currents will enter in the new year, so there is no such thing as assured economic prophecy.

No one will deny that 1926 has shown the highest total production and consumption of industrial commodities of any year in the history of the United States. Except in the textile industry and parts of the coal industry, it has been a year of high degree of employment, which has been accompanied by the highest peak in real wages, because wage income for the country as a whole has slightly increased and cost of living slightly decreased during the year. Manufacturing, the service industries, and commerce generally have continued to improve their methods, to reduce costs, and to improve services. In aggregate each industry appears to show substantial profits except the textile and some parts

of the coal industry. While there has been a slackening in production and demand for several staple lines during the past few weeks, we enter the new year with no consequential overstock of manufactured goods. With the largest volume of construction during the past year ever known there may prove to be some construction in advance of immediate needs, but slackening in this direction may be partially compensated by the assurance of a larger amount of public construction during the next year. Savings of the country have shown a steady increase and there is ample cheap capital available.

The lag of agricultural recovery has continued and has been accentuated by distressing crop failures in some localities. Cotton and some fruit crops beyond world demand have brought about prices below the cost of production of large areas of those commodities. There is a consequent lowered buying power in some agricultural sections.

Taking the foreign field as a whole, it shows continued progress toward balance of budgets; reduction of floating debt; greater stability in currency; and somewhat diminished unemployment. The most important exception has been the results of the British coal strike which

left the world poorer by its interruption to the progress of that country, but this is now happily over. Russia shows some economic improvement; and China, due to international trade relations, still continues below normal. Each year sees progress in European political relations with fear less and less a dominating factor.

Combining all foreign and domestic tendencies with which we enter the New Year, while some of them are not so good as we could wish, others are most hopeful. To those who are interested in the movement of the business cycle, it is worth remarking that we have had no inflation in commodities as prices have decreased rather than increased during the year. Moreover, the elasticity of credit through the Federal Reserve System, the absence of undue stocks of commodities, the greatly enlarged information services of the country and wider understanding, (and thus better common judgment and caution) are all protections against violent movements, such as we experienced in former times.

The nation is making economic progress. Some areas lag behind others, and discontent with the lag is an assurance of a lively sense of initiative and the

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornaments
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

JOHN DI SOPRA, Mgr.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co. WATERPROOFING ENGINEERS

Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on CAULKING

or Material for Caulking
Phone Woodland 6859

31 South 49th Street, Philadelphia

best promise of remedy. Each individual tests the question of prosperity by his own setting and naturally applies his own test to his views of the economic state of the nation. If we use the more precise term "economic progress" we find we have per capita as the result of the year 1926 more and better homes, more electric lights and power, more transportation, more roads, more substantial buildings, more radios and more automobiles, more savings, more life insurance and more of a lot of things. We also have more educational facilities and more per capita circulation of newspapers and magazines than ever before.

Altogether we enter the New Year with a job in prospect for most everybody, with the whole nation better fed, better housed, and better clothed than any other nation. The large disappearance of poverty in the chronic sense should make us more sensible to the remedy of misfortune in the individual sense, and the high recovery of industry and commerce from the losses of the war should make us more sensible of the needs of agriculture.

Construction operations in the United States set a new record in 1926. The volume of these operations during the year just concluded was 2 percent. greater than the similar figure registered for 1925, when all previous records were broken, according to statistics made public by the Associated General Contractors of America.

Expenditure of \$7,500,000,000 is estimated to have been involved in construction operations last year. Of this total,

\$5,500,000,000 was spent for construction of dwellings, office buildings and other commercial and industrial structures. The expenditure for highway construction and maintenance is estimated to have been in excess of \$1,000,000,000, with a similar amount involved in construction of public works and the building operations of public utilities.

The volume of construction work carried on during December was the greatest ever recorded for that month of the year. This unprecedented December activity was in keeping with the present tendency toward increased "cold weather" operations. Although a sharp decline from the November figure was shown last month, the volume indicated for the last 31 days of 1926 was 4 per cent. greater than the volume registered for December, 1925.

The December volume reached the 162 level on a scale which places the 1913 average at 100 as its basis. The average of the December volumes registered during the preceding five years is indexed at 137. This shows that the volume of construction last month was 25 points above the average for that month during half a decade and indicates the degree in which low temperatures are being defied by construction operations this season.

The high mark of 1926 was reached in July, when the 228 level was attained, while the figure of 117, which was registered in February, was the lowest of the year. The distance between the extreme "high" and the extreme "low" in 1926 was almost exactly equal to the corresponding range noted in 1925. The July volume was the greatest ever recorded for a single month.

INDUSTRIAL HEADS PREDICT CONTINUED PROSPERITY FOR 1927—BUSINESS NEARLY ON CASH BASIS—FINANCIAL PANICS ELIMINATED

Directors of the National Association of Manufacturers in Various Parts of the Country Point to Specific Causes of Unprecedented Flow of Business and Appeal For Continued Application to the Task of Maintaining Our World Position

Looking back over the year of 1926 and forecasting the business outlook for 1927, directors and members of the National Association of Manufacturers predict a continuance of the unprecedented prosperity of the nation. They see only a few economic icebergs in the path of the ship of Success.

They point to these outstanding facts:

1. Business is nearer to a cash basis than it ever has been in our history.
2. No financial panic can come—the Federal Reserve Banking System stands as an indestructible buffer.

(Continued on Page 13)

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartments (alts. and add.), North Center, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 3 stories, 25x110 feet, general alterations and additions, carpentry and mill work, plumbing, new partitions, tile and marble work. Plans in progress. Too early for details.

Garage and Show Room, North Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, front, 2 stories and balcony, rear, 1 story, 180x22 feet, slag roof, concrete floors. Plans in progress.

Residence, Springfield and Crefeld streets, St. Martin's, Pa. Architect, S. W. Marshall, 1524 Chestnut street, Philadelphia. Owner, F. Kimball Hagar, Lafayette Building, Philadelphia. Plans in progress.

South Broad Street Tube, City Hall to South street, Philadelphia. Owners, Department of City Transit, George T. Atkins, Assistant Director, 1211 Chestnut street, Philadelphia. Work contemplated.

Pumping Plant and Sewer, Northeast Section, Philadelphia, \$6,000,000. Architect, private plans. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Plans in progress. Work to start at once.

Warehouse (alts.), South Philadelphia. Architect, B. Shulman, 1722 Arch street, Philadelphia. Owner, name withheld. Brick, 3 stories, general alterations. Architect ready for bids in a few days.

Apartment House, Sixty-third and Girard avenue, Philadelphia. Architect, Charles M. Talley, 2829 North Broad street, Philadelphia. Owners, Ray E. Seyler, Inc., Upper Darby, Pa. Brick, steel, 3 stories and basement, 40x50 feet, slag roof, oak and pine and cement floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Owners taking bids due January 7th.

Manufacturing Building (add.), Thirty-third and Reed streets, Philadelphia. Architect, Edwin A. Roth, Drexel Building, Philadelphia. Owners, Lipsky Brothers, on premises. Brick, stone, reinforced concrete, slag construction, 4 stories, 90x110 feet, composition roof, cement floors, elevator, steam heat, electric light, rolled steel sash. Architect taking bids due January 10th.

Temporary Nurses' Home, Field Office and Toilet Room, Eighteenth and Bainbridge streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Children's Hospital of Philadelphia, on premises. Cinder concrete block, nurses' dormitory, 2 stories and basement, 31x126 feet, field office

and toilet room, 1 story, 18x8 feet, rubberoid roof, pine floors, Celotex, sangmetal partitions, marbleoid, ornamental iron work. Architect taking bids due January 6th.

Alterations and Additions, 2045 Locust street, Philadelphia. Architect, Spencer Roberts, 10 South Eighteenth street, Philadelphia. Owners, Park, Monson & Green, 2045 Locust street, Philadelphia. Brick, carpentry, mill work, tile work, oak floors, plumbing, metal lath, iron work (plumbing, heating, electric reserved). Architect taking bids due January 7th.

Church, Twelfth and Lehigh avenue, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Cookman Methodist Episcopal Church, Rev. E. Bawden, 1209 West Lehigh avenue. Architect taking bids due January 14th.

ers taking bids due January 7th at noon. Cross arms, locust pins, etc., fire and patrol box parts, etc., suction hose.

Residences (33), West side Hurley street, South of Wingohocking street, Philadelphia, \$99,000. Architect, private plans. Owner, John T. Clasby, Cloverly road and Rodman street, Philadelphia. Brick, 2 stories, 14 feet 10 inches x 26 feet, 9x6 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (7), 1516-28 South Corlies street, Philadelphia, \$2,500 each. Architect, private plans. Owners, Berlinger & Brenner, Thirtieth and Dickinson streets, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, electric light. Permit issued.

Residences (20), East side Hunting Park avenue, North of Leiper street, \$81,200. Architect, private plans. Owner, Amos Jordan, 1015 Chestnut street, Philadelphia. Brick, 2 stories, 15x26 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Southwest Corner Silverwood and Fleming streets, Philadelphia, \$7,600. Architect, private plans. Owners, C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia. Brick, 2 stories, 20x40 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Sewer Work, Philadelphia. Packer street, Second to Fourth street; Fourth street, Packard to Pollock streets; Pollock street, Broad to Fourth street. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Low bidders: Adolf Jaffola & Lewis Mark, Hunting Park avenue and East Front street, Philadelphia, \$271,581.

Hauling Cinders, Queen Lane Pumping Station, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Low bidders: Gallagher & Bergan, 4123 Terrace street, Philadelphia, \$94 a month.

Garage, 254-60 S. 2nd St., Phila., \$42,000. Architect, private plans. Owners, Weiss-Koplin Const. Co., Franklin Trust Bldg., Phila. Brick, 2 stories, 56x280 feet, slag roof, cement floors, electric light. Permit issued.

Residences (3), E. side Edmund St., S. of Pratt St., \$10,800 total. Architect, private plans. Owner, Herman Sokolow, Pratt and Edmund Sts., Phila. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof, pine floors, electric light. Permit issued.

Museum (add.), 34th and Spruce Sts., Phila. Architects, Day & Klauder, Franklin Bank Bldg., Stewardson & Page, 315 S. 15th St., Wilson, Eyre & McIlvaine, 1008 Spruce St. Owner, University of Penna., 34th and Spruce Sts., Phila. Revised plans in progress, will take bids in a few days.

The 1927 Directory

of the

Architectural and Building Trades

Is Now Ready for Press

Any Changes in Addresses or Phone Numbers will be made if received this week.

Building News Publishing Co.
1530 Chestnut St., Philadelphia

Phone Rittenhouse 9771 or Race 7109

Asphalt Plant, Fiftieth and Gray's avenue, Philadelphia. Architect, private plans. Owners, Department of Public Works, Bureau of Highways, 216 City Hall, J. H. Neeson, Chief. Construction of 300-ton asphalt plant, including furnishing and erection of equipment. Certified check, 5 per cent. Owners taking bids due January 7th at noon.

Removal of Ashes, Thirty-fourth and Pine streets, Philadelphia. Owners, Department of Public Works, Bureau of Hospitals, Thirty-fourth and Pine streets. Owners taking bids due January 10th at noon.

Supplies, Philadelphia. Owner, E. J. Laferty, Purchasing Agent, 312 City Hall. Own-

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

50% REDUCTION ON SCALES

FOR DRAUGHTSMEN

White Edge and Plain Boxwood—While They Last

Also Large Assortment of High Grade Swiss and German DRAWING INSTRUMENTS AT GREAT REDUCTIONS

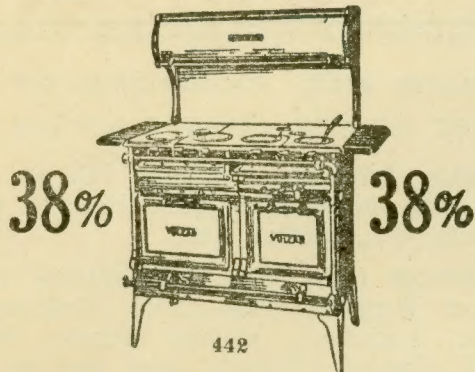
Come Early While Choice Is Good—Everything for the Draughting Room

J. H. WEIL & COMPANY

Established 30 years

1317 Cherry Street, Philadelphia

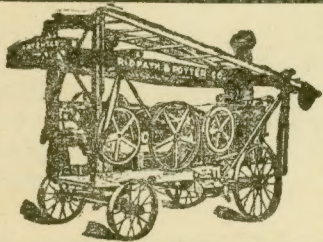
VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



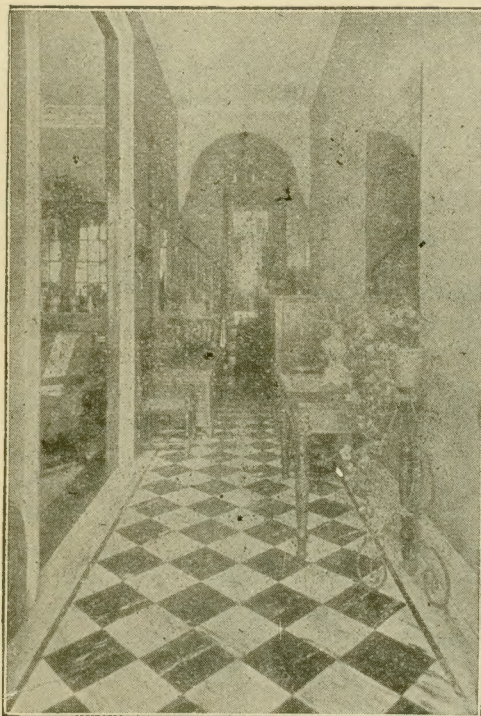
38% 38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

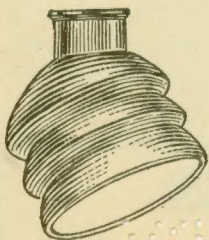


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Stores (9), Southwest Corner Twenty-second and Chestnut streets, Philadelphia, \$100,000. **Garage**, East side Croskey, South of Chestnut street, Philadelphia, \$2,500. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Edward Monroe Harris, 2218 Chestnut street, Philadelphia. Brick, steel, architectural terra cotta, 2 stories and basement, 128x121 feet, 1 story, 65x76 feet, slag roof, cement floors, steam heat, electric light, tile work, ornamental iron work. Contract awarded P. Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

Warehouse, rear of 325 Market street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Markowitz Brothers, on premises. Brick, steel, 6 stories and basement, 60x40 feet, slag roof, cement floors, elevators, safety treads, plumbing, shoring, waterproofing, metal lath, tile and marble work, rolled steel sash and skylights, ornamental iron work, metal toilet partitions, area gratings, steel stack. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

Store and Apartment, 2218 Ridge avenue, Philadelphia. Architect, David Supovitz, 929 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 18x50 feet, carpentry and mill work, slag roof, wood floors, steam heat, electric light, metal lath, metal bulks, iron work. Contract awarded Louis N. Devens, 13 North Thirteenth street, Philadelphia.

Factory, American and Buttonwood streets, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Richard L. Binder Metal Coatings Co., 497 North Third street, Philadelphia. Brick, steel, 5 stories, 30x100 feet, electric work. Contract awarded Clayton Lofland, 231 North Water street, Philadelphia.

Building 17A (add.), Crescentville, Pa. Architect, private plans. Owners, Electric Storage Building Co., Crescentville, Pa. Brick, steel, 1 story, 60x130 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, bond, ornamental iron work. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Store (alts.), 924 Chestnut street, Philadelphia, \$10,000. Owner, Joseph Bernhard,

Northeast Corner Thirteenth and Chestnut streets, Philadelphia. General alterations. Contract awarded to John Schnabel, Inc., Abbott Building, Philadelphia.

Residence, South side Griffith street, East of Large street, \$7,200. Architect, private plans. Owner, Edyth Kramer, Tabor road and Water street, Philadelphia. Frame, 2 stories, 25x36 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harry Goepel, 5619 North Third street, Philadelphia.

Wall Repairs, 511-13 Burnham road, Philadelphia, \$5,000. Owner, Melvin Mack, on premises. General repairs. Contract awarded to Gaw Const. Co., 901 Lewis Building, Philadelphia.

Residence and Garage, Southwest Corner Third street and Sixty-sixth avenue, Philadelphia, \$9,900. Architect, private plans. Owner, Fred Posern, 2021 North Nineteenth street, Philadelphia. Brick, 2 stories, 20x40 feet, garage, 1 story, 17 feet 10 inches x 20 feet, hardwood, pine and cement floors, hot water heat, electric light. Contract awarded to H. Mazer, 324 South Seventh street, Philadelphia.

Warehouse, 1625 Pearl street, Philadelphia, \$2,000. Architect, private plans. Owner, J. F. Alexander, 1713 Sansom street, Philadelphia. Brick, 2 stories, 22x34 feet. Contract awarded to J. Frank Barber, 26 South Fifteenth street, Philadelphia.

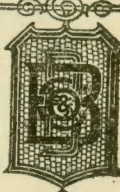
Workshop, Northeast Corner Eighty-third and Bartram avenue, Philadelphia, \$12,000. Architect, private plans. Owner, Harry F. Link, 8300 Bartram avenue, Philadelphia. Brick, 1 story, 75x23 feet, slag roof, electric work. Contract awarded to Nicholas G. Galluci, 7901 Eastwick avenue.

Residence (alts.), 1606 North Seventeenth street, Philadelphia, \$1,900. Architect, private plans. Owners, Fishman & Rubens, North American Building, Philadelphia. General alterations. Contract awarded to L. Glass, 245 Greenwich street, Philadelphia.

Store and Storage Building (add. and alts.), Southwest Corner Twelfth and Bainbridge streets, Philadelphia, \$2,500. Architect, private plans. Owner, Aaron Gornish, 613 South Clarion street, Philadelphia. Brick, 3 stories add., 18x15 feet, general alterations. Contract awarded to Harry Gornish, 613 South Clarion street, Philadelphia.

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Shop, 5415-17 Haverford Ave., Phila., \$2,500. Architect, private plans. Owner, Harry Ackner, 5415 Haverford Ave., Phila. Brick, 1 story, 22x50 feet, electric work, slag roof. Contract awarded to H. Slavitt, 5136 Haverford Ave., Phila.

Building (add. and alts.), 3043 W. York St., Phila., \$2,500. Architect, private plans. Owner, Lena Lipki, 2401 Natrona St., Phila. Brick, 1 story addition, 16x12 feet, general alterations. Contract awarded to Samuel Newman, 4015 Fairmount Ave., Phila.

Pennsylvania Construction News

Curtain Junior High School (add.), Williamsport, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Williamsport School District, H. A. Sterner, secretary, 229 West Third street, Williamsport, Pa. Brick and stone, 2 stories and basement. Architects selected.

Garage (alts. and add.), West Chester, Pa. Architect, E. William Martin, DuPont Building, Wilmington, Del. Owners, Chester County Hospital, care of architect. Brick, 2 stories, 40x65 feet, general alterations. Plans in progress. Too early for details.

Residence (alts.), West Chester, Pa. Architect, E. William Martin, DuPont Building, Wilmington, Del. Owners, Chester County Hospital, care of architect. General alterations, plumbing, hardwood floors, tile work. Plans in progress.

Girls' Home Building, Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Masonic Home, F. and A. M., Elizabethtown, Pa. Brick. Preliminary plans in progress.

School (add.), Black Horse, near Norristown, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owners, School Board of Plymouth Township, R. Hallman, Conshohocken, Pa. Brick, hollow tile, 2 stories, 50x65 feet, 4-room add. Plans in progress. Will take bids in spring, 1927.

Hotel (alts.), Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Temple Building, Williamsport, Pa. Owner, Michael Ciciarelli, 141 Pine street, Williamsport, Pa. General alterations. Plans in progress.

Fire House and Apartment (alts. and add.), Main and Green streets, Norristown, Pa. Architect, E. Lane Crawford, Cloud Building, Norristown, Pa. Owners, Humane Fire Engine Co., No. 1, E. Zimmerman, Chairman, Norristown, Pa. Brick, 2 stories, 35x30 feet, slag roof, pine floors, hot water heat, electric. Plans about completed. Architect ready for bids in 10 days.

Sales and Service Building, Marshall and Corson streets, Norristown, Pa. Architect, E. Lane Crawford, Cloud Building, Norristown, Pa. Brick, 1 story, 40x120 feet, slag roof, concrete floors, unit heat system, electric light, metal bulks, plate glass. Plans in progress. Ready for bids in 3 weeks.

School, Shartlesville, Pa., \$30,000. Architect, H. Raymond Heckman, 702 Baer Building, Reading, Pa. Owners, Upper Bern School District, John S. Berger, secretary, Shartlesville, Pa. Brick, 1 story and basement, 58x83 feet, slag roof, composition roof, roof ventilators, metal ceilings, bond, warm air heat, electric light, metal lath (heating, plumbing and elec-

tric separate). Owners will be ready for bids after first of year.

School, Schuylkill Haven, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Ambrose's Roman Catholic Church, Rev. A. B. Caine, Schuylkill Haven, Pa. Brick, steel, 2 stories, 60x80 feet, 12x20 feet, composition roof, pine floors, safety treads, roof ventilators, iron stairs, bond, metal lath (heating, plumbing and electric reserved). Architect will be ready for bids after first of year.

Club House and Golf Course, etc., Willow Grove, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owners, Huntingdon Valley Country Club, Noble, Pa. Plans about completed. Architects will be ready for bids January 15th.

Stores (2), 414 Darby road, Llanerch, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, W. C. Stranaghan, Llanerch, Pa. Brick, 1 story, 27x40 feet, slag roof, pine floors, electric light, metal bulks, plate glass. Owner taking bids due as soon as possible.

High School (add.), Carlisle, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Carlisle School Board, Thomas Vale, secretary, Carlisle, Pa. Brick, steel, concrete, 2 stories, 202x62 feet, built-up roof, maple and composition floors, hollow tile, safety treads, roof ventilators, waterproofing, cut stone, iron stairs, ornamental plaster, steel lockers, partitions, steel sash, tile work, metal lath (plumbing, heating and electric separate). Owners taking bids due January 24th.

Living Quarters and Garage Building, Old York road, below Wyncote road, Abington Township, Montgomery County, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Ellis D. Williams, Esq., Jenkintown, Pa. Architects taking bids due January 7th, 3 P. M.

Equipment, Reformatory, Huntingdon, Pa. Architect, I. H. Francis, 1520 Locust street, Philadelphia. Owners, Pennsylvania Industrial Reformatory, J. W. Herron, General Superintendent. Electric generators, steam engines, electric switchboards. Certified check, 5 per cent. Bond, 100 per cent. Owners taking bids due January 17th at noon.

Hospital, Eaglesville, Pa. Architects, Simon & Simon, 249 South Juniper Street, Philadelphia. Owner, Eaglesville Sanatorium, on premises. Brick, cut stone, steel, stone, 4 stories and basement, 217x54 feet, wing 43x54 feet, slag roof, cement floors, levators safety treads, plumbing, metal weatherstrip, ornamental iron work, bond, kalemein terrazzo work, metal lath, steam heat, electric light, bluestone, autohydro waterproofing, rolled steel doors, metal partitions, dampproofing,

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

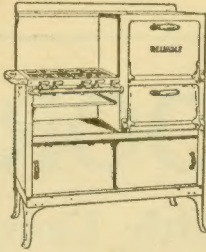
for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER

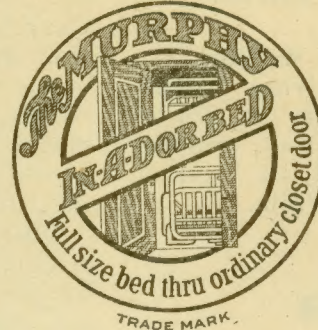
1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murp.



THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

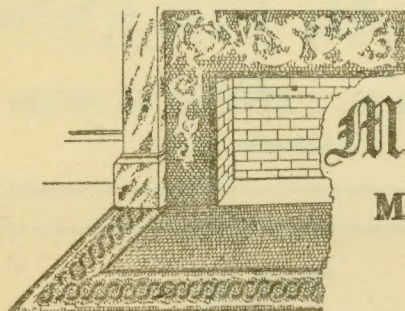
Ber
19 W

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and PLASTERING

JOSEPH STERLING

112 North 7th Street CAMDEN, N. J. Camden 5766 W



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

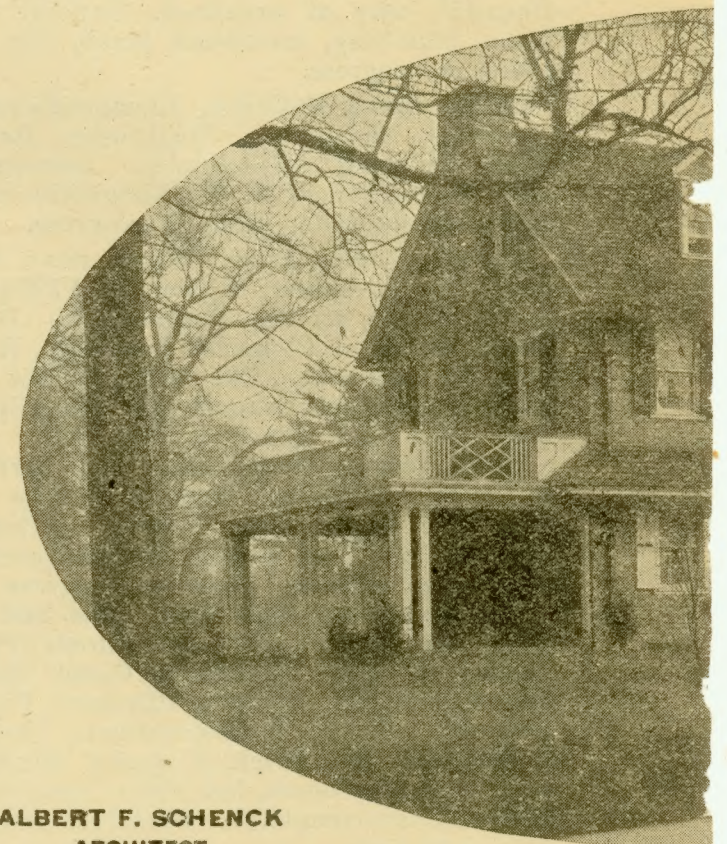
Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Home. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



ALBERT F. SCHENCK
ARCHITECT

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertain
of cement floor finish. Furnished in cryst
the job. This results in economy. For furth

**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



BEDS

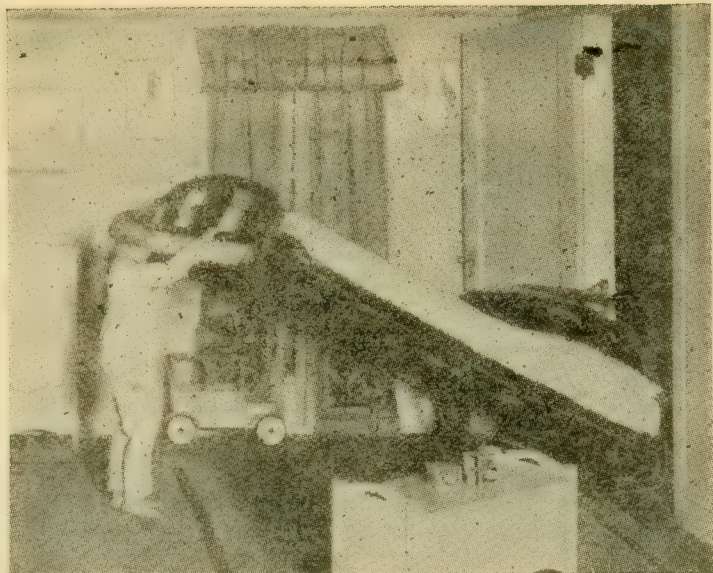
comes
rings

call at our
kitchen
boards as
Beds

D CO.

ey Building
44th Street
ew York

R BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
elt of their co-operation.



Face Brick Paving Brick

Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last practically a life time. The heavy gauge metal, the double beade and the method of application to windows, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

R. A. SCHLETT, Manager

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

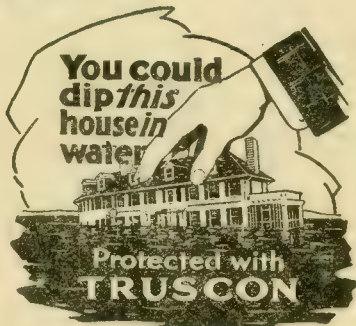
Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TEMPERITE

from Freezing

as to time for first trowelling
form, all water being added at
information, ask

**The Truscon
Laboratories**



Phila. Office :
1505 Race Street

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Architectural Cast Cut Stone Company

GRANITE
LIMESTONE
GRAYSTONE
Any Color desired

Office and Factory
344 Haddon Avenue
WESTMONT, N. J.

U. A. GASPARRI, General Mgr.

Bell, Collingswood 1788

MITCHELL BROS.
Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT
211 Drexel Building
Philadelphia
Lombard 4900

**Reinforced Concrete
and Cement Work**
Get our estimate first on
"THAT CEMENT JOB"
FREDERICK MASSIAH
S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165
Keystone Phone—Race 3760 PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

linoleum floors, lead and cork insulation, mortuary insulation, cabinet, medicine cabinets. Architects taking bids due Jan. 6th.

Y. M. C. A. Building, Lancaster, Pa. Architect, C. E. Urban, Woolworth Bldg., Lancaster, Pa. Owners, Y. M. C. A., care of architect. Fireproof, 4 stories, 69x60 feet, built-up roof, hardwood floors. Low bidder: J. H. Wickersham, Appel Bldg., Lancaster, Pa.

Store and Apartment, Hanover, Pa., \$150,000. Architects, Gemmill & Billmeyer, Rosenmiller Bldg., York, Pa. Owner, J. K. Jordan, Hanover, Pa. Brick, steel, 3 stories, 28x180 feet, slag roof, hardwood floors, steam heat, electric light, metal lath, tile work, steel skylights, iron stairs, copper work. Owner will build.

Pennsylvania

Contracts Awarded

Church, Red Lion, Pa., \$200,000. Architects, Gemmill & Billmeyer, Rosenmiller Bldg., York, Pa. Owners, Bethany United Brethren Church, Rev. M. R. Fleming, Red Lion, Pa. Stone, steel, 1 story and basement, 85x100 feet, slate roof, hardwood floors, leaded glass, Warren Webster heat, electric light, tile work. Plans in progress. Contract awarded to W. A. Thompson, Red Lion, Pa.

Moving Picture Theatre, Media, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut Street, Phila. Owner, Dembrow Amusement Co., care of Architects. Brick, granite, concrete, steel, 1 story and basement (heating and electricity), slag roof, cement floors, plumbing, ornamental terra cotta, ornamental iron work, metal lath, terrazzo and marble work, kalamein doors, bronze, toilet partitions, bluestone, limestone. Contract awarded Paul Brosz, 2511 W. Huntingdon St., Phila.

Buildings (3) (alts. and add.), Oaks, Pa. Architect, private plans. Owners, Philadelphia Rubber Works, Oaks, Pa. Brick, steel, reinforced concrete, 2 stories and basement and 1 and 2 stories, 120x40 feet, composition roof, cement floors, rolled steel sash, plastering, painting and glazing, metal ornamental iron work. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Store Building, Jenkintown, Pa. Architect, private plans. Owner, Morris Goldberg, Jenkintown, Pa. Lessee, F. W. Woolworth, Wilkes-Barre, Pa. Brick, steel, 2 stories and basement, 28x100 feet, slag roof, pine floors, steam heat, electric light, metal lath. Contract awarded Fesmire Brothers, Huntingdon Valley, Pa.

Residence, Doylestown, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, William R. Mercer, care of architect. Brick, 2½ stories and basement, 50x154 feet, tile roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded W. J. Ryder, 1725 Sansom street, Philadelphia.

Cold Storage Warehouse, Pottstown, Pa., \$80,000. Architect, E. Lane Crawford, Cloud Building, Norristown, Pa. Owners, Pottstown Cold Storage & Warehouse Co., Pottstown, Pa. Brick, 2 stories, 130x150 feet, L shape, slag roof, concrete floors, electric light, cork insu-

lation, two electric elevator. Contract awarded Friend Reis Co., Norristown, Pa.

Storage Building and Factory, Littlestown, Pa. Architect, private plans. Owners, Newark Shoe Co., Littlestown, Pa. Brick and frame, 1 and 2 stories, slag roof, wood floors, electric light, fire doors, iron stairs. Contract awarded to O. H. Hostetter, Hanover, Pa.

School, Lansdale, Pa. Architect, Watson K. Philips, 213 South Fifth street, Philadelphia. Owners, Lansdale School Board, Lansdale, Pa. Heating contract awarded American Heating & Ventilating Co., Schaff Building, Philadelphia, \$11,976.

Manufacturing Building and Machine Shop, Seranton, Pa. Architects, Lockwood, Greene & Co., 1 Pershing Square, New York. Owners, F. Wesel Manufacturing Co., Brooklyn, N. Y. Brick, steel, 1 story, 210x110 feet, slag roof, asbestos shingle roof, cement and maple floors, hollow tile, plumbing, metal lath, rolled steel sash and skylights, bond, precast concrete, composition floors. Contract awarded to R. D. Richardson Const. Co., Connell Building, Seranton, Pa.

New Jersey

Construction News

School and Gym (Franklin Street Annex), Cape May, N. J., \$70,000. Architects, Edwards and Green, Camden, N. J. Owners, Board of Education, Cape May, N. J., E. J. Jerrell, secretary. Brick, hollow tile, 2 stories and basement, 35x85 feet, 1 story, 60x60 feet. Plans in progress.

Moose Home and Auditorium, Lambertville, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Loyal Order of Moose, care of architects. Brick, terra cotta, 2 stories and basement, 60x90 feet, slag roof, tile work, electric light. Plans in progress.

Department Store (alts. and add.), 129 North Front street, Plainfield, N. J. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owners, Woodull & Martin Co., Plainfield, N. J. Building block, 1 story, 40x40 feet, general alterations to present building. Owners taking general bids.

High School, Landis avenue, Vineland, N. J. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, Landis Township Board of Education, H. T. Heaton, Vineland, N. J. Brick, steel, 2 stories and basement, 290x208 feet, T shape, slag roof, reinforced concrete floors, ornamental iron work, limestone, masonry, steel, painting and glazing (heating, plumbing, gas fittings, ventilation, electric work separate bids). Deposit, \$25, refunded. Owners taking bids due January 25th, 3 P. M.

Labor Lyceum, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Workmen's Circle, No. 90, care of architect. Brick, steel, limestone, 3 stories, 50x100 feet, slag roof, maple floors, hollow tile, vapor heat, electric light, tile and marble, iron stairs, ornamental iron. Architect will be ready for bids at end of week.

Dining Hall and Kitchen, Laundry Building and Power House, State Institution for Feeble Minded, Totowa, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, stone, steel, 2 stories, 118x96 feet, 1 story, 80x47 feet, 1 story, 76x48 feet, tin and slate roof, cement floors, roof ventilators, integral and membrane waterproofing, damp-proofing, ornamental iron, floor hardener, bond, kalamein and hollow metal doors, steel skylights, metal lath, tile, marble and terrazzo work, concrete block, area grating (heating, plumbing and electric separate). Owners tak-

ing bids due January 7th at 1.30 P. M. Certified check, 5 per cent.

Street Paving, Merchantville, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Merchantville, Borough Council, Merchantville, N. J. Deposit, \$15, refund \$10. Certified check, 10 per cent. Owners taking bids due January 10th at 8 P. M.

School Building, South Center street, Merchantville, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Merchantville, N. J. Low bidders: P. H. Kelly, 1713 Sansom street, Philadelphia, \$177,467; R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$187,000. Plumbing, C. H. Leopold, Camden, N. J., \$15,188. Heating, H. Knecht, West Collingswood, N. J., \$39,850. Electric, Charles S. Wright, Camden, N. J., \$7,275.

Boardwalk, Third Ward, Wildwood, N. J., \$200,000; resurfacing street, \$175,000; installation of sewer, \$15,000. Architect, private plans. Owners, Wildwood City Commissioners, Wildwood, N. J. Plans in progress. Concrete walk, Wildwood, N. J., work contemplated.

Residences (4), 369-71-75-77 N. 34th St., Camden, N. J., \$20,000. Architect, private plans. Owner, Alfonso Verdi, 6145 W. Girard Ave., Phila. Frame, 2 stories, 15-10½x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), 3311-13 Saunders St., Camden, N. J., \$7,800. Architect, private plans. Owner, Edward Christopherson, 603 N. 32nd St., Camden, N. J. Frame, 2 stories, 15x30 feet, slag roof, hot water heat, electric light. Permit issued.

New Jersey

Contracts Awarded

Store and Offices, Camden, N. J., \$36,000. Architect, Harold A. Allen, 526 Stevens St., Camden, N. J. Owner, B. C. Foulon, 506 Federal St., Camden, N. J. Brick, 3 stories, 20x144 feet, slag roof, hot water heat, electric work. Contract awarded to Chas. Horlbeck & Son, 1111 Marion St., Camden, N. J.

Nurses' Home, Mt. Ephraim and Atlantic

avenue, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, West Jersey Homeopathic Hospital, J. Scott, Camden, N. J. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 134x33 feet, slag roof, cement and composition floors, steam heat, electric light, metal lath, tile and marble work, plumbing, roof ventilators, shoring, waterproofing and damp-proofing, bond, kalamein doors, cast stone, cinder concrete block, parlock waterproofing, canvas floors, area gratings. Contract awarded Bennett McLaughlin, 3434 Sansom street, Philadelphia.

Residence and Garage, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Mayor Thompson, Hightstown, N. J. Stone, 2½ stories, 50x108 feet, 40x25 feet, Stonefield slate roof, oak and slate floors, vapor heat, electric light, tile and marble, ornamental iron, ornamental plaster. Contract awarded to W. C. Ehret, Trenton Trust Building, Trenton, N. J.

Centrifuge Building (add.), Paulsboro, N. J. Architect, private plans. Owners, Vacuum Oil Co., Paulsboro, N. J. Brick, steel, 2 stories and basement, 57x22 feet, asbestos roof, cement floors, painting and glazing, rolled steel sash, kalamein doors. Contract awarded White Const. Co., Jefferson Building, Philadelphia.

Building, Harleigh Cemetery, Haddon avenue, Camden, N. J., \$8,000. Architect, private plans. Owners, Harleigh Cemetery, on premises. Brick veneer and block, 2 stories, 20x55 feet, slag roof, electric work. Contract awarded to Alvin Flodstrom, 403 Chambers avenue, Camden, N. J.

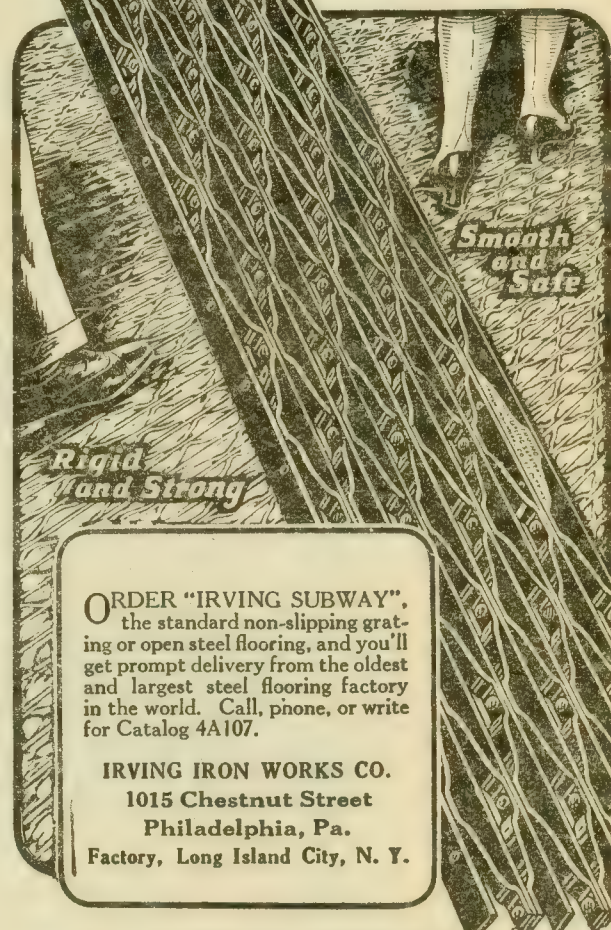
Store Front, 516 North Third street, Camden, N. J., \$2,000. Architect, private plans. Owner, G. A. Moore, Collingswood, N. J. New store front and general alterations. Contract awarded to Heber B. Harvey, 413 Bailey street, Camden, N. J.

Bridge, Albany avenue, Atlantic City, N. J., \$482,185. Engineer, A. H. Nelson, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Chosen Freeholders of Atlantic County, Guarantee Trust Building, Atlantic City, N. J. Steel and stone, bond. Contract awarded to S. S. Thompson, Red Bank, N. J.

Highway Work, New Jersey. Owners, State

Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Longitudinal beam bridge across South River near May's Landing, State Highway Route 14. Contract awarded to F. L. Grant, Masonic Building, Harrisburg, Pa., \$19,983.70. Grade crossing elimination approaches,

Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING SUBWAY FLOORING

On the Ground When Wanted

CLAUSEN

TERRA COTTA

FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.

AN ambition to give your orders the kind of attention that will **THOROUGHLY** satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a **REAL** Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

The Parthenon



Athens, Greece

WORLD FAMOUS STRUCTURES



THE Parthenon, at Athens, Greece, stands upon the highest platform of the Acropolis. It is entirely constructed of white marble from the quarries of Mount Pentelicus and was completed in the year 438 B. C.

The Parthenon was never intended as a temple of worship, but was built as a tribute to the national deity, Athena Parthenos. It was also the central point of the Panathenaic festival and served as a storehouse for the sacred treasures.

THE VAN SCIVER CORPORATION

Contractors' and Builders' Supplies

EXECUTIVE OFFICES

THE PARKWAY AT 24TH STREET, PHILADELPHIA

NUMBER 12 OF A SERIES OF "FAMOUS STRUCTURES OF THE WORLD"

Route 7, Shark River Station. Contract awarded to Culp Const. Co., Dover, N. J., \$50,295.68.

Route 14, Sections Nos. 11A, 12A, 13A, 16 and 17, Middleton Bridge to Estellville, Atlantic and Cape May Counties. Contract awarded to E. Riley Mixner Co., Goshen, N. J., \$325,868.55.

Bridges (2), across the North and South Channels of Shark River, Route 4. Contract awarded to Parker & Graham, 5 Colt street, Paterson, N. J., \$397,232.16.

Miscellaneous Construction News

Laundry, Garage and Central Heating Plant, Frederick, Md. Architect, J. B. Hamme, City Bank Bldg., York, Pa. Owners, Hood College, Dr. J. H. Apple, Frederick, Md. Fireproof, 1 story 55x140 feet, composition roof, concrete floors, gypsum block, roof ventilators, tile work, cast stone, electric light, steel sash and skylights, fire doors. Architect ready for bids.

Factory, location withheld. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, name withheld. Brick, steel, 3 stories, 68½x80 feet, slag roof, cement and wood floors, electric light. Plans in progress.

Apartment House, location withheld. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, limestone, 4 stories and basement, irregular in size, 140 apartments, slag roof, hardwood floors, electric light. Plans in progress.

Bungalow, location withheld. Architect, B. Shulman, 1722 Arch street, Philadelphia. Owner, name withheld. Stone, 1 story, 27½x47 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Church, Fourth street and Grant avenue, Wilmington, Del. Architects, Gleeson, Mul-

rooney and Burke, 404 South Broad street, Philadelphia. Owners, St. Thomas' Roman Catholic Church, Rev. J. N. Dougherty, Wilmington, Del. Stone, granite, cut stone, steel, 1 story, gallery and basement, 135x76 feet (plumbing, heating, electric reserved), slate and slag roof, maple floors, hollow tile, metal lath, tile and marble work, metal window guards, metal weather strip, shoring, waterproofing, bond, floor hardener, ornamental iron work, linoleum floors, limestone, cast stone, area gratings, imitation stone. Architects taking bids due January 10th, 5 P. M.

Laundry, Second and Washington streets, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owners, Associated Laundry, care of architect. Steel, concrete, brick, 4 stories and basement, 65x80 feet, Johns Manville roof, concrete floors, elevators, safety treads, waterproofing and damp-proofing, iron stairs, fire doors, skylights, steel sash, tile work, metal lath, electric light. Architect taking revised bids due January 7th.

Miscellaneous Contracts Awarded

Residence and Garage, 2309 Ridgway street, Wilmington, Del., \$20,000. Architect, private plans. Owner, Fletcher Holmes, 1616 Broome street, Wilmington, Del. Brick, 2½ stories, 38x28 feet, asbestos shingle roof, hot water heat. Contract awarded to C. J. Dougherty, 2515 West Eighteenth street, Wilmington, Del.

Stuckent & Company, architects and engineers, announce the removal of their offices to 637 Insurance Co. of North America Building, 1600 Arch street, Philadelphia, where they would be pleased to receive building material catalogues.

(Continued from Page 4)

3. The industries are operating at a high rate of production.

4. The margin of profits has been narrowed and we are closer to a true relationship between costs and sales.

5. Competition will be stronger.

6. Credits have decreased and there is ample money at reasonable rates.

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

A. HUSKEY

PORTABLE

MEYER COSSOY

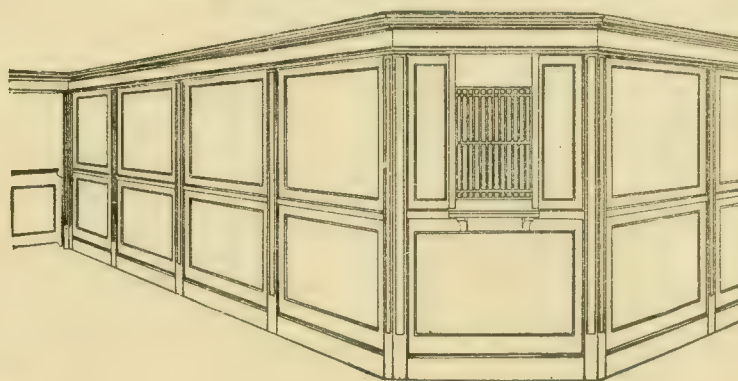
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE
FIXTURES

FOR ALL KINDS
OF

STORES



CABINET
WORK

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

GENERAL
INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

SURETY
BONDS

7. People generally are contented and there are gradually fewer labor disturbances.

Individual opinions follow:

By JOHN E. EDGERTON

President, National Association of Manufacturers

Government officials who know, individual economists, and private reports all tell us our country is in the finest position we have ever known; that we have attained a new national standard of living. Recent surveys made by the National Association of Manufacturers among its members, support this appraisal amply. Ninety-nine per cent. of our members are planning for better business in 1927 than they had in 1926, classifying their chances variously as from excellent down to fair. Only one per cent. takes a pessimistic view and anticipates a decline. Seventy-five per cent. have recorded better business for 1926 than they had in 1925. Sixty-eight per cent. have increased their forces; and eighty-nine per cent. are paying higher wages this year than last year.

Excellent reason for being optimistic! But with all of this I want to sound a note of caution against becoming panicky when we see our prosperity easing off in certain spots. It is bound to come, for we are closer to the basis of just costs all around than we have ever been since the war. Within the last six months I have travelled through nearly three-fourths of the states of the Union, and have talked to and with thousands of industrial and business men. I find in some places, tendencies toward gloom; but, also I find in these places a little over-building, over-growing, over-production. Those things must, and will, find their stable bases, a more even relation between production and consumption, as exists in the great bulk of our standard lines of business that have gone on and on for decades and must always go on.

Let us analyze ourselves a little. Look back a decade or so ago. In 1906 the United States Census showed that we had 86,000,000 in our national family. Today we have approximately 116,000,000. In 1906 the automobile (the greatest toy and at the same time the most useful invention of the age), was in its infancy, a plaything for the wealthy and only a few in operation. Today it is a necessity for 10,000,000 and a luxury-necessity for 10,000,000 more. A decade ago we had no airplanes; that industry was in its infancy. We had no dirigibles. We had no radios. We had only a few hotel palaces; we had few vestibule trains. Today modern hotel palaces are everywhere; the de-luxe method of train service is universal for all classes. Our sports were very few with a small following. Today we have a widespread interest in sports and they have become

a regular business.

All this means that we have grown to man's estate as a nation and have a large family to support and maintain on a plane that our forefathers never enjoyed or knew. It means that, more than at any time in history, the need for sober, sane application to business and work must prevail.

The United States today has an annual crime bill of \$10,000,000,000. We are the most criminal nation in the world. We should give continuing thought to the fact that there is a keener relationship between crime and leisure than there is between crime and the necessity for work.

When nations turn to pleasure, they crumble. Idleness destroys and when idleness becomes the business of those who make, mould and rule nations, there can be only one harvest—ruin. That has been the story of civilization; and now, in our most favored position, it behooves us to give more thought to constructive progress and to hold the respect of the world.

By A. H. MULLIKEN

President, Pettibone Mulliken Company, Chicago, and director, National Association of Manufacturers.

The business situation during the eleven months of 1926 has been entirely different, in regard to demand and production, than ever before in the history of this country.

In the steel industry, and many other industries, it has heretofore been considered essential to have a backlog of orders from three to six months. During the period just mentioned, no industry has had over thirty days' accumulation of orders and, in many branches of the steel industry—which is more surprising—at no time has there been over two weeks' orders on the books.

This is a radical change in the business of the country. It extends to all branches of industry. It really puts business on a sounder basis than ever before; it has reduced inventories; it has prevented speculation in material; it has reduced credits; it has reduced bank loans; and, by working from hand to mouth, it has brought business nearer to a cash basis than it has ever been.

This situation has been due almost entirely to the wonderful improvement in railway transportation and the more efficient railway service. In fact, I believe it would have been impossible for this condition to prevail without this splendid railway management.

Prices of nearly all materials have been stabilized at fair figures. There has been no price excitement. Compared with the past, quotations for all classes of goods have been based on normal costs. It would seem impossible for shrinkage in inven-

tories to occur that would affect business. The Federal Reserve system will prevent a money panic.

The only situation in which there seems to be abnormal expansion is in building, which, if properly controlled, could be gradually decreased without disturbing general business relations.

I see no reason why the present prosperity should not continue indefinitely. I do not believe in the theory that, sooner or later, business conditions must fluctuate either up or down.

The whole tendency of modern thought is to stabilize prices, stabilize demand—expanded only as required by the necessities of the people—and avoid all undue expansion, abnormal conditions, and business reactions, so that the old-fashioned feast and famine shall never return.

These pessimists who are constantly looking for trouble, do more harm than good. People generally find what they are looking for and, as it has been said, "those who expect to fail generally do fail."

Success in business, as well as success in life, is due to optimism. Optimism, guided by experience, in my opinion, is a sure road to success.

A man who expects to fail generally does fail.

By WILLIAM C. COLEMAN

President, the Bucyrus Company, South Milwaukee, Wis.

The Secretary of the Treasury, the Secretary of Commerce and many other eminent authorities have attested to the great prosperity of the country prevailing in 1926 and have indicated that a continuance of this condition may be expected throughout 1927.

If these forecasts are correct, and I see no particular reason to doubt them, it behooves us to take stock of the situation and plan to do those things which will tend to promote a continued high rate of production with its resultant prosperity rather than assume that prosperity is assured and allow ourselves to drift into a state where such prosperity will be seriously menaced.

The prosperity of the past year may be measured by the relatively large earnings and this has in turn depended upon a number of factors—among them, a large volume of production and high wages (as measured by past standards), but accompanying them have been increasing costs of marketing products and narrowing margins of profit.

If this brief analysis is correct and we wish our prosperous condition to continue, what should be our obvious course?

1st. An intensive study of costs to reduce them by every possible means.

If this can be done we will be in a position to tide over a period of reduced production—if that should come—and still maintain margins of profits.

2nd. Maintenance of present wage rates and prices of product.

If volume continues at the high rate of 1926, reduced costs would lead to reduced prices, thus further stimulating business.

A history of the course of business activity would probably show that most periods of prosperity were stifled by flagrant opportunism rather than by anything else and if this is true, why not avoid it?

By P. O. GEIER

President, Cincinnati Grinders Incorporated, Cincinnati, O., and director National Association of Manufacturers.

The volume of manufacturing activity for 1927 should be approximately that of 1926. Some industries will probably show a decrease of activity, among them that of the automobile industry, although even here unforeseen conditions may make it possible to have next year's totals equal this year's output.

The railroads, due to their excellent financial condition and also due to the fact that a heavy strain has been put upon their present equipment during the past three years, will undoubtedly place a considerable amount of orders for equipment. Industrial machinery should prove to be active. 1927 will be a year in which costs must be still further reduced. Costs of distribution and selling will be carefully analyzed, but the major saving must still be looked for in the cost of production. There are certain types of labor saving devices and tools which can profitably be installed, no matter what may be the period of the business cycle. Manufacturers of equipment of this nature may look for excellent business. Those who concentrate their sales efforts on the fields in which the greatest opportunities lie for increasing production and lowering costs will profit accordingly. General business should produce a very satisfactory volume of orders—but these will undoubtedly be more difficult to obtain and will require greater efficiency in shop and office alike.

By D. M. WEIR

Vice-President, Weirton Steel Company, Weirton, W. Va.

While at the present time there is some dropping off in the volume of business, except in such lines as are always benefited through holiday distribution, I see no reason to expect anything except satisfactory volume of trade over the ensuing six months.

The fundamentals that always go to make prosperity are certainly in evidence now, namely—an ample supply of money at reasonable rates, large individual consumption, low prices on commodities and low inventories—and my opinion is that inventories generally at the close of 1926, in comparison with the daily consumption of the country, will be on a lower basis than has been the case for a number of years. I do feel, however, that 1927 will be one of great competi-

tion in business because our productive capacity is very large, and only those concerns will prosper who are able to carry along efficiently and with sound business judgment.

While individual requirements are large, yet buyers are quite discriminating, and a tendency toward higher prices will bring a reaction in the way of smaller volume. Therefore, to continue the prosperity that we have enjoyed for the past several years, efficiency both individual and collective must be the slogan of business.

I think our people generally are contented. There is certainly comparatively little labor disturbances and I believe there has been a very decided decline in radicalism over the last twelve months which also encourages a belief in continued prosperity.

By H. B. McCORMAC

President, Virginia Manufacturers' Association, Virginia Woolen Company, Winchester, Va.

As we approach the end of the present year and begin our plans for the future, we are more interested in its prospects.

Notwithstanding the decline in price of a great many important farm products, we believe the large increase in yield per acre will afford sufficient income to prevent the grower from taking heavy losses. The present crops will bring one of the largest annual sums of new wealth into being that has been produced in several years. This will maintain the buying power which is reflected in mail order sales and reports from wholesale houses.

Industry in our section has experienced a satisfactory year, but one of considerable variation. Operating activities during the last half are considerably in excess of those of the first six months. In all lines of industrial operations, Virginia is satisfied with the year's results. There have been good and bad periods in all lines and no particular line has suffered more than another. Prices of industrial stocks are well maintained. Dividend distributions are meeting all reasonable expectations and there is little or no unemployment.

Freedom from political change will undoubtedly be a considerable factor in industrial activity during 1927. If the present Congress passes the appropriation bills and adjourns until December, 1927, we see no reason why business should hesitate upon the threshold of another year.

By E. E. STRAUS

President, Courier-Journal Job Printing Co., and director National Association of Manufacturers.

I am inclined to think that Mr. Hoover is correct in his optimism regarding the prospects for the American people for the next year. If we base our opinion

of the prosperity of 1927 on economic definitions, everybody should have plenty. The wealth of the nation is measured in food, clothing, housing, and man power. With bumper crops of cotton, wheat, and corn, general food supplies and clothing should be within the reach of all and none should go hungry or cold.

The South is bewailing the low price of cotton, forgetting to consider that they have about 30 per cent. more cotton than they usually have, and that the income from eighteen and one-half million bales at twelve and one-half cents is not so far from that produced by fourteen and one-half million bales at twenty cents as to be ruinous to the section concerned.

The Southern railroads receive just as much tariff from hauling twelve and one-half cent cotton as from twenty cent cotton making their contribution to the distribution of earnings just as great as before.

We expect to see 1927 produce an average amount of business with an average amount of profit. Commodity prices seem to be seeking a lower level and great profits are never made on a falling market, but if in the process, values are better stabilized, the resultant effect will be a more healthy economic condition. We may not declare tremendous dividends, but we will have plenty of food, clothing, warmth, and general conditions of happiness.

By E. B. LEIGH

President, Chicago Railway Equipment Co., Chicago, and director National Association of Manufacturers.

While the business outlook for 1927 is any man's guess, there seems to be a rather general hope, if not an opinion, that it will continue to be a favorable one; at least during the early part of 1927, if not throughout the year.

For many years prior to the Great War, the Iron and Steel industry was accepted as the most reliable index of general business conditions; while Railroad buying, taking in normal years the largest single percentage of the product, became a recognized barometer of general business as a whole. This relationship, however, was seriously distorted by the tremendous war demands for steel and iron. Within the last two years the inflated buying of iron and steel to meet the accumulated demands of the building industry and the ever-growing demands of the rapidly expanding automotive industry, have taken up the slack in iron and steel formerly flowing to the Railroads and to industries supplying them with equipment of various kinds, and with the heretofore unusual condition of general business prosperity, but with very restricted Railroad buying.

Looking forward, with building now thought to be on the eve of a decline, and with a less certain demand upon the part of the automotive industry; it would

seem that the answer as to future good business, or otherwise, may be found in the shifting relationship of these three economically basic industries. Within the past two years especially, the slack in Railroad buying has been absorbed by these two industries; and as to 1927, I would say, watch the trend of Railroad equipment buying, particularly in the event of any material slump in building construction or in automotive production—and there, I believe, the answer will be found.

By JOSEPH C. KIMBALL
President, Associated Industries of
Massachusetts, Boston.

As 1926 is completing her duties for the year, revealing, as a whole, quite a satisfactory record and at the same time, generating considerable hope for the coming year, it is becoming something of a past-time to record a guess as to the immediate future, then, watch the guess unfold during the ensuing twelve months.

For New England in particular there seems enough of incompleting undertakings to make an excellent beginning in 1927. More people have more money than ever before, more people will have more wants than ever before, and more of these wants will be satisfied.

Lower cotton, stabilized rubber prices, regenerated railroads, a strengthened shoe business, several new but large enter-

prises, a general awakening of her captains of industry show a large asset balance.

The able financial control of the U. S. Treasury, with its healthy influence permeating the entire country, is continually recording astonishing benefits to all phases of our business life and is the outstanding indication of the great strength of the immediate future.

The optimists seem to have the clearer path in 1927.

By FRANK R. VALENTINE
President, M. D. Valentine & Bro. Co.,
Woodbridge, N. J., and director Na-
tional Association of Manufacturers.

The condition of the fire-brick industry is measured very much by the condition of the iron and steel business. Reports of the latter indicate an unusually fine outlook for next year; some of the companies saying they expect to reach their peak and others giving varying opinions on the degree of increased business; but all, so far as I can learn, are looking for a continuation of the excellent situation that prevailed the past year.

On this basis alone, I should say the prospects for the firebrick and kindred refractories is excellent. Certainly we have every reason to be expectant of as great a volume of business for 1927 as we had in 1926.

By HENRY ABBOTT

President, Calculgraph Company,
New York.

We take pleasure in confirming the statement of Mr. Herbert Hoover that the year 1926 has been one of unprecedented prosperity. At least his statement as applied to our own industry is correct.

In the field of our experience and observation, increases in material and labor costs which narrowed profit margin has been met by a stimulated effort to develop new and better tools and manufacturing methods, resulting in the restoration of normal profit. At the same time the consuming public have benefitted in getting for the same money a better product.

If our people generally, will continue to talk, write and act optimistically, we know of no reason why the prosperity of 1926 should not continue through 1927.

If our farmer friends will read up on Luther Burbank and once a year adopt one of the thousands of things he showed them how to do, instead of hollering for help from Congress, they will be following in the footsteps of our successful manufacturers; we shall then soon lose our "agricultural problems," we shall have less socialistic legislation and our prosperity will be universal.

A LASTING TRIBUTE TO THE BUILDER'S JUDGMENT

Year after year a Masterbuilt concrete floor withstands the abuse of the hardest service—a lasting tribute to the builder who installed it.

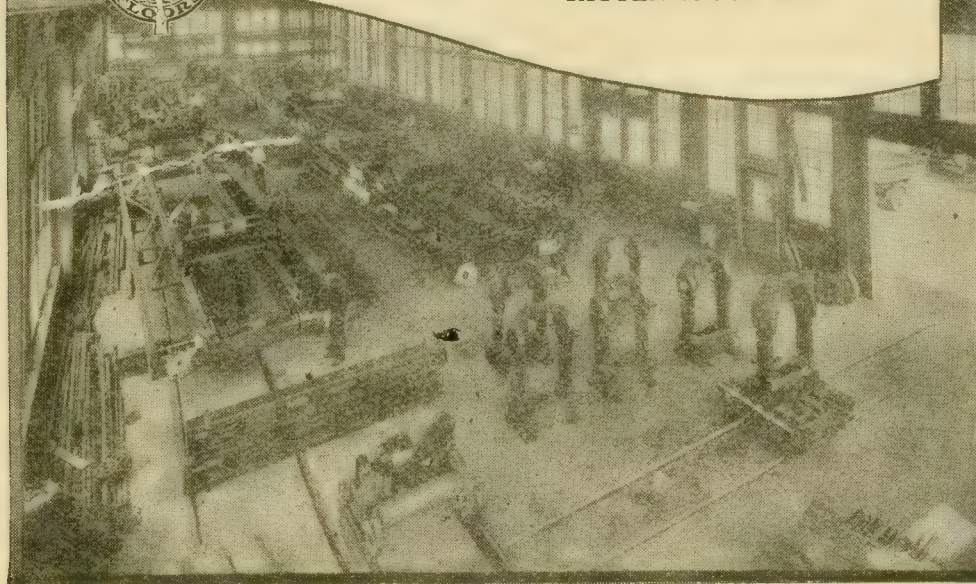
Masterbuilt concrete floors for heavy industrial use are made Wearproof, Waterproof, and Dust-proof by the use of Master Builders Metallic Concrete Hardener.

THE MASTER BUILDERS COMPANY

ROBERT O. FORSYTH

OTIS BUILDING, PHILADELPHIA, PA.

RITTENHOUSE 3577



EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL

SANITARY METAL BASE, WINDOW STOOL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

SHEETROCK WALL BOARD

TEXTONE WALL FINISH
GYPSUM FIREPROOF SHEATHING

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE
Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES
Service Supply Corporation,
20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING
Sterling Products Co.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation, 20th and Venango Sts.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK
Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co., Otis Bldg., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS
Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F., Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co., Otis Bldg., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America, 1600 Arch St.
Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.
Smith-Austermuhl Co.Camden, N. J.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co., 5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F., Co.125 S. 12th St., Phila.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Joseph SterlingCamden, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co., Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.

ROOFING
Benjamin Foster Company,
20th and Venango Sts., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING MATERIALS
John Nacey Co.7254 Paschall Ave., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg. Co., 2317 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES
Edwin Elliott Co.560 N. 16th St., Phila.

STELL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

"SURETY BONDS"
Smith-Austermuhl Co.Camden, N. J.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

TERRA COTTA SEWER PIPE
Ketcham, O. W.121 N. 18th St., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD
Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Benjamin Foster Company,
20th and Venango Sts., Phila.
Master Builders Co., Otis Bldg., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING
Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co., Bourse Bldg., Phila.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1926

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Service

When you go to a North America agent for insurance, all you pay are the premiums. His service costs you nothing. It includes complete information on the various forms of insurance protection, practical advice on the best policies for your purposes, and inspection of your property and business risks as often as you wish it.

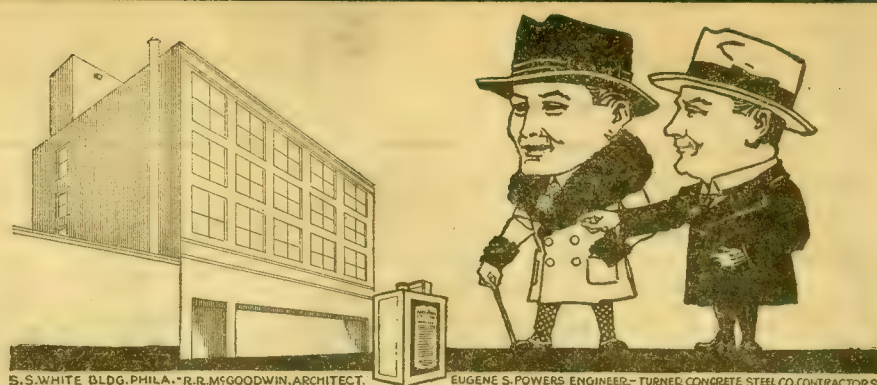
Consult your agent as you would your lawyer or doctor.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



"Don't let freezing weather stop your concrete work—use 'ANTI-HYDRO' and keep right on!"

"ANTI-HYDRO" lowers the freezing point of concrete to 15 degrees F. so that work can continue even though the thermometer goes way down. At the same time, "ANTI-HYDRO" permanently hardens and waterproofs concrete mixtures in one operation. Being a liquid integral compound, it mixes easily with the gauging water without the aid of skilled labor.

The concrete work on this building continued right on through the freezing weather. Much valuable time was saved and results were entirely satisfactory.

For 22 years "ANTI-HYDRO" has been used on every type of concrete hardening and waterproofing work. Use it also for cold weather work. It will save you time and money. Write for specifications.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

PAUL J. DEVITT

BUILDERS' HARDWARE

1101, 1103, 1105 SO. SECOND STREET, PHILADELPHIA, PA.

PAUL J. DEVITT will open a branch store in the NEW ARCADE BUILDING, 69th and Market Streets, opposite the Terminal, on or about DECEMBER 4th, with a FULL LINE of BUILDERS' HARDWARE, TOOLS and kindred lines. We will maintain the same scale of low prices and quality of goods that we have always had in our down-town store.

WRITE FOR OUR BUILDER HARDWARE CATALOGUE

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 2
January 12, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

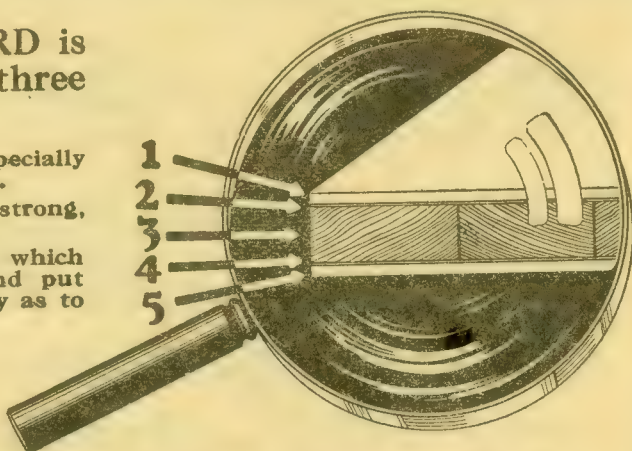
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Our Accomplishments for 1926

Electrification of:

Penn Athletic Club
New Philadelphia Public Library
Delaware River Bridge
Perishable Product Whse., B. & O. Railroad
Philadelphia Public Stadium
New House of Correction
Entire Gladway, Sesqui Centennial Associa-
tion, and many other miscellaneous jobs

What service can we be to you in 1927?



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA

LIBERTY

WHERE THIS BOOK GOES
SO DO WE
NO JOB TOO BIG OR TOO SMALL
A COMPLETE INSTITUTION
IN ALL ITS BRANCHES

HOUSE AND WINDOW CLEANING COMPANY

629 CHESTNUT STREET, Philadelphia, Pa.

BELL PHONE: LOMBARD 6400

OUR 15 YEARS EXPERIENCE YOUR GUARANTEE

SERVICE SUPREME
SKILLED WORKMEN
ALL JOBS PERSONALLY
SUPERVISED BY EXPERTS
OUR PRICES ARE RIGHT
AND HARD TO BEAT

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**1711 Chestnut Street
PHILADELPHIA, PA.**

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN
Distributing Agents

Office and Warehouse: 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

**FABRICATED STEEL
IRON BARS**

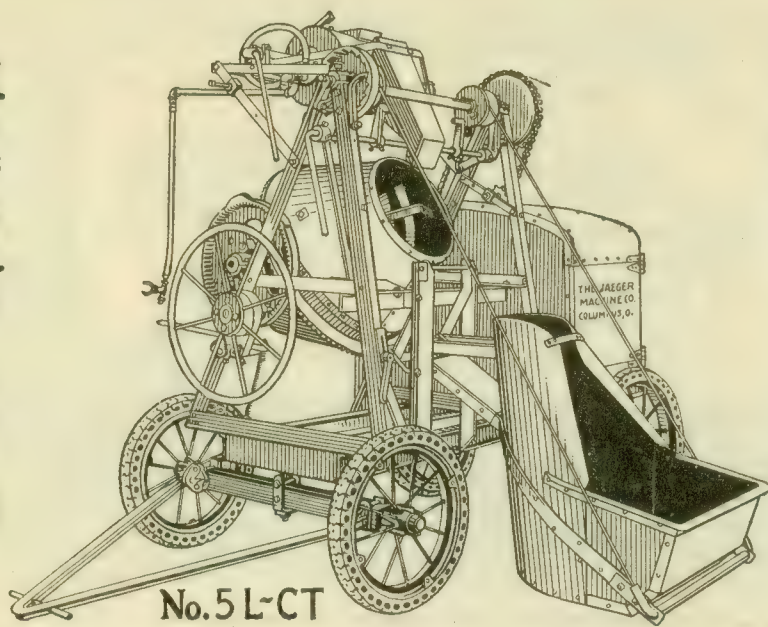
**RICHARD DeCOU CO.
Steel Warehouse**

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

RESULTS



SERVICE

JAEGER MIXERS

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Yours to Command for High Grade Service

Deposit your funds with us and receive 4% interest on your Savings.

Make a Will and appoint us Executor so that you may obtain the benefit of our knowledge and experience.

When buying Real Estate bear in mind that we insure titles and will guard your interests.

Any service in the nature of Banking, Decedents estates and Real Estate is here at your command.

Continental-Equitable Title and Trust Company

Twelfth Street Above Chestnut, Philadelphia

Capital \$1,000,000

Surplus \$1,500,000

Deposits Over \$16,000,000

OFFICERS

WILLIAM J. McGLINN, President
JEREMIAH J. SULLIVAN, Vice-President
JOHN R. UMSTED, Vice-President
PETER F. MOYLAN, M. D., Vice-President
JOHN V. LOUGHNEY, Vice-Pres. and Treas.
JOHN F. McMENAMIN, Sec'y and Asst. Treas.
WM. J. FITZPATRICK, Asst. Sec'y. and Asst. Treas.
FRANK T. MATTHEWS, Trust Officer
EDWARD F. STANTON, Asst. Trust Officer
JOSEPH MALLON, Real Estate Officer
BROWN & WILLIAMS, Counsel

DIRECTORS

WATSON K. ALCOTT
EDWARD F. BEALE
JAMES M. DALY
CHARLES C. DRUEDING
JAMES A. FLAHERTY
JOHN J. HENDERSON
WALTER H. JOHNSON
WILLIAM J. McGLINN
PETER F. MOYLAN, M. D.
JOSEPH O'NEILL
JEREMIAH J. SULLIVAN
JOSEPH C. TRAINER
JOHN R. UMSTED
AUBREY H. WEIGHTMAN
IRA JEWEL WILLIAMS

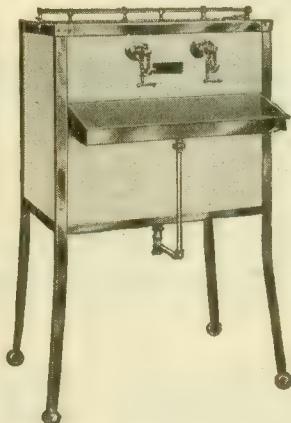
THE JOHN BAIZLEY IRON WORKS

Office, 514 So. Delaware Avenue, Phila.

Blacksmiths, Boilermakers and Machinists, FIRE ESCAPES, Builders' Iron Work, Boilers, Tanks and Stacks, Railings and Structural Iron Work. Boiler Tubes Safe-ended. Oxy Acetylene Welding.

DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our showroom before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 2

PHILADELPHIA
January 12, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



THE estimated cost of all buildings, alterations, repairs and miscellaneous work for which permits were issued by the Philadelphia Bureau of Building Inspection in 1926 was \$140,267,200, according to detailed reports printed on other pages of this issue of the GUIDE, a decrease of \$30,646,330 from the record year of 1925, which was the highest ever, \$170,913,530.

Dwelling construction showed a tremendous decline in 1926 from the 1925 record—12,954 houses of all types costing \$70,207,465—to only 8,720 costing \$41,885,775 in 1926—a loss in number of dwellings of 4,234, and a loss in value of \$28,321,690. The same number of tenement houses was begun in 1926 as in 1925, ninety-five, but the cost of the 1926 tenement houses was only \$11,876,000, compared to a cost of \$15,552,000 in 1925. The only class of buildings that showed a marked increase in 1926 over 1925 was the office buildings, forty-eight of which in 1925 cost \$11,073,100, and fifty-six of which in 1926 cost \$21,087,025. The permit for the Fidelity-Philadelphia Trust Co. thirty-story office building to cost \$10,000,000 was issued in December and that one permit in-

creases the value of office buildings almost the entire difference.

The heaviest decline following dwelling construction was in stores, a decline not in number but in value,—in 1925 \$20,016,685 was expended for 102 stores, in 1926 only \$3,189,920 was spent for 128 stores, 26 more buildings than in the same class in the year 1925. This classification showed a loss of \$16,826,765.

Garages for the first time in years showed a notable decrease—680 less in 1926 than in 1925 at a loss of \$2,941,725. 1925 had started 2,381 garages costing \$8,191,025,—only 1701 costing \$5,249,300 were built in 1926.

A decline in the cost of schools amounted to \$1,215,215, a drop in number of only one—18 schools in 1925 cost \$9,938,070; 17 schools in 1926 cost \$8,723,865.

A striking increase occurred in the number and value of the churches started in 1926 compared to 1925—24 Churches valued at \$2,634,500 were begun in 1926 and only 11 churches valued at \$915,150 started in 1925. This confirms the impression of many that Philadelphia is growing more religious.

Manufactories, too, showed an increase

from seventy costing \$3,962,720 in 1925 to eighty-four costing \$8,585,150 in 1926. Likewise the increase in Sesqui-Centennial buildings was a boost for the 1926 total cost—two buildings costing \$1,640,200 were started in 1925 and 247 buildings costing \$4,541,455 were built in 1926. A total of \$6,181,655 was the cost of the Sesqui-Centennial buildings according to the record of permits issued for buildings at the exposition.

December was the largest month in 1926 in point of value of work for which permits were granted,—\$20,846,925 was authorized in this month. This is unusual, but characteristic throughout the country in 1926—a boom for winter building. The greatest number of operations was started however in March, 2,524, according to permits. March in 1925 had the largest amount of operations started although in value July in 1925 had the largest volume of work with \$30,717,760. The one big item in July, 1925, was the \$18,000,000 Gimbel store.

Estimated cost for each month, 1926:

Month	Permits	Operations	Estimated Cost
Jan.	684	1208	\$ 7,590,755
Feb.	647	1081	9,108,245
Mar.	1230	2524	15,065,885

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 2519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

JOHN DI SOPRA, Mgr.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone Woodland 6359

831 South 49th Street, Philadelphia

Apr.	1436	2456	11,381,330
May	1242	1971	10,410,540
June	1176	1198	16,642,745
July	1203	1843	12,919,245
Aug.	950	1552	9,674,435
Sept.	1005	1563	9,597,360
Oct.	905	1550	8,362,595
Nov.	822	1243	8,667,140
Dec.	530	891	20,846,925

The following table shows the total
for each year back to and including 1909:

Year	Operations	Estimated Cost
1909	17,294	\$ 42,881,370
1910	16,383	37,866,565
1911	16,215	40,030,985
1912	14,907	37,173,635
1913	14,813	38,763,850
1914	15,709	35,419,605
1915	17,712	39,444,125
1916	15,613	49,896,570
1917	8,977	34,016,408
1918	5,950	15,452,670
1919	14,509	65,088,750
1920	12,512	55,305,400
1921	14,654	42,790,780
1922	22,588	114,881,040
1923	21,546	122,650,935
1924	24,234	141,737,460
1925	25,307	170,913,530
1926	19,780	140,267,200

The decline in the number of garages
in 1926 is the first since 1918 as shown
by the following record for the last
twelve years.

Year	No. of Garages	Cost
1915	595	\$ 723,260
1916	878	1,307,340
1917	833	1,296,310
1918	480	833,320
1919	1,322	2,726,540
1920	1,153	2,502,290
1921	1,569	3,505,695
1922	1,909	5,072,765
1923	2,522	5,415,885
1924	2,778	6,951,430
1925	2,381	8,191,025
1926	1,701	5,249,300

The Thirty-fifth Ward with 2286
dwellings erected in 1926 led all districts.
The Forty-second Ward with 1960 resid-
ences and the Fortieth Ward with 992
residences followed. All of these wards,
as well as all the other leading wards in
1925 showed marked decline in 1926.
The greatest ward in point of new houses
in 1925 was the 42nd with 2964 dwellings
started.

There is a considerable volume of build-
ing in prospect for 1926 at least for the
first half year. Last year at this time

we prophesied that 1926 would not equal
the marvelous record of 1925 in Phila-
delphia and we are prone to venture that
1927 will not equal 1925 but should from
present indications equal 1926.

PREDICTIONS ON BUILDING

There are many and varied prophecies
and predictions as to the outlook and
probable progress of building operations
during 1927. After wading through them
it is not easy to come to a definite con-
clusion, but it leaves a feeling that unless
something unforeseen happens to inter-
fere it should be a good year and to quite
an extent the manufacturers of material
and dealers can help make it a good year.
Some predict that it will be a boom year,
probably the biggest year or record, not
so much because of the urgent need for
buildings as because of the feeling that
it is a good year to push business ag-
gressively while the prosperity wagon is
moving in good shape and be fortified
against any slump that may come after
the year is over. We had predictions a
year and two years ago that the building
shortage had been caught up with and
that consequently there would not be the
same urgent call for building. Yet in
the face of this we had enough building
booms in some sections of the country
to make each of the years since 1924 a
bigger and better year, and each year
there are opened bigger and better pros-
pects for future building and so it is to-
day. Conditions are favorable for a big
year in building operations. They are
not equally favorable in all sections of
the country, for in some cities there is
evidence of some surplus of housing al-
ready, but there are other sections where
expansion is going on and all told it looks
now as if 1927 may be as good if not a
better year than 1926 in building opera-
tions.—*Clay Worker.*

U. S. DEPARTMENT OF COM- MERCE RECOGNIZES "WATER-CEMENT RATIO"

The building code committee of the U.
S. Department of Commerce recognizes
the "Water-Cement Ratio" as means of
mixing concrete of a specified strength
in a series of suggestions it makes in its
booklet, "Recommended Requirements
for Working Stresses in Building Mate-
rials." The "Water-Cement Ratio" is
the law governing the strength of con-
crete. It states that the strength of con-
crete is in inverse proportion to the
(Continued on page 29)



Good Work

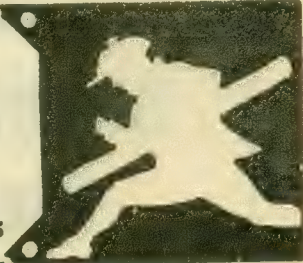
BLUE PRINT SHOP

Bell Phone 1
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Quick Service

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building, Banking Quarters, first floor, Southwest Corner Fifteenth and Walnut streets. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, care of W. I. Mirkil & Co., Widener Building, Philadelphia. Brick, limestone, stone, terra cotta, marble, concrete, steel, 20 stories, 60x117 feet, concrete work, elevators. Architect selected. Plans in progress.

Store Building, Southwest Corner Seventeenth and Chestnut streets, Philadelphia, \$3,500,000. Architect, C. E. Wunder, 1520 Locust street, Philadelphia. Owners, Bonwit, Teller & Co., Thirteenth and Chestnut streets, P. J. Bonwit, president. Stone, brick, concrete, steel, 7 stories, 70x150 feet. Preliminary plans in progress.

Sales and Service Station, Northwest Corner Fifty-fifth and Walnut streets, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, William Burstein & Brothers, Sixty-first and Walnut streets, Philadelphia. Brick, steel, 2 stories and basement, 25x75 feet. Owners will build.

Store and Residence (add.), 1800 South Sixty-fifth street, Philadelphia. Architect, private plans. Owner, A. Dektor, 205 Franklin Building, Philadelphia. Brick, 1 story, 10x18 feet, slag roof, pine floors, electric light. Owner will build.

Building, Allegheny and Tulip street, Philadelphia. Architect, Edwin A. Yeo, 225 South Sydenham street, Philadelphia. Owners, Northeastern Hospital, on premises. Addition to third floor. Revised plans about completed. Architect will be ready for bids in one week.

Residences (53), Stores (2), Rittenhouse and Limekiln pike, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Gollub, Green & Sklar, 5820 Spruce street, Philadelphia. Brick, 2 stories, 16x51 feet, 15x51 feet, stores, 21x51 feet, 18x51 feet, slag and slate roof, hardwood floors, cement work, hot water heat, metal lath, electric light, tile work, basement garages, plate glass, metal bulks. Owners will build and will start work in one week.

Fire Station, Foulkrod and Darrah streets, Philadelphia. Architect, John Molitor, City Architect, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, City Hall, Philadelphia. Brick, steel, cut stone, 2 stories and basement (plumbing, heating and electric separate), slag roof, cement and composition floors, metal lath, tile and marble work, rolled steel sash, metal weather strip, dampproofing, ornamental iron work, bronze tablets, steel lockers. Owners taking bids due January 18th at noon.

Fire Station, 4445-51 Main street, Manayunk, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Own-

ers, Department of Public Safety, City Hall, Philadelphia. Brick, steel, 2 stories and basement (plumbing, heating, electric separate), slag roof, cement and composition floors, metal weather strip, metal lath, tile and marble work, rolled steel sash, ornamental iron work, dampproofing. Owners taking bids due January 18th at noon.

Building (alts.), 36 South Fifty-second street, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, William Freihofer Co., Twentieth and Indiana avenue, Philadelphia. Brick work, cut stone, structural iron, ornamental iron work, electric work, steam heat, plumbing, plastering, oak floors, tile work, kalamein doors. Architect taking bids due January 14th.

Alterations to Corridors, Drexel Building, Fifth and Chestnut streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Drexel & Co., on premises. Demolition, marble work, cement work, rubber floors, hardware, brick work, iron work, metal lath, plastering, painting and glazing. Architects taking bids due January 13th, 3 P. M.

Museum, Thirty-fourth and Spruce streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street; Day & Klauder, Franklin Bank Building; Wilson, Eyre & Melvaine, 1003 Spruce street, Philadelphia. Owners, University of Pennsylvania Trustees, Thirty-fourth and Spruce streets, Philadelphia. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 200x50 feet, slate roof, cement and pine floors, hollow tile, metal lath, tile and marble work, kalamein doors, bond, ornamental iron work, bluestone, area gratings. Architects taking revised bids due January 13th.

Residence (alts. and add.), 616 Kimball street, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, A. Merealdo, on premises. Brick, 2 stories, 16x21 feet add., slag roof, hardwood floors, plumbing, cement work, hot water heat, electric light, tile work. Plans in progress. Owner will build.

Theatre, 1710 North Twenty-second street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Harry Moskovitz, 1707 North Croskey street, Philadelphia. Brick, steel, limestone, 1 story and mezzanine and basement, 184x43 feet, steam heat, electric light, tile, marble and terrazzo work, metal lath, rolled steel sash, bond, ornamental iron work, iron stairs, painting and glazing, plumbing, gypsum asbestos roof, cement floors, architectural terra cotta, steel partitions, brass rails. Architects taking bids due January 14th.

Smokeproof Tower, Stairways and Approaches, 1001-31 Chestnut street. Architect,

John T. Windrim, Commonwealth Building, Philadelphia. Owners, Estate of Stephen Girard, 1101 Chestnut street, Philadelphia. Waterproofing, reinforced concrete, brick work, structural steel. Architect taking bids due January 21st.

New Junior High School, Eighteenth and Cheltenham avenue, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: McCloskey Co., 1620 Thompson street, Philadelphia, \$998,417; William Langhorne, 10 South Eighteenth street, Philadelphia, \$1,010,600. Heating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$86,897. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$41,868. Ventilating, Thompson Brothers, 520 Buttonwood street, Philadelphia, \$8,989. Electric, Walker & Kepler, 530 Chestnut street, Philadelphia, \$50,163.

Bridge on line L street, under connecting railroad, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Owners taking bids due January 19th at noon. Certified check, 5 per cent. Inquire 416.

Pennsylvania Railroad, Philadelphia. Owners, Pennsylvania Railroad, Purchasing Agent, C. E. Walsh, Seventeenth and Filbert streets, Philadelphia. Contract No. 12, guard rails. Contract No. 13, frogs, switches, switch points. Bids due January 20th.

Installing Plumbing and Fire Protection, Contract No. 128, Broad Street Subway, Philadelphia. Owners, City, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bid due January 20th at noon. Certified check, 5 per cent. Deposit, \$50, refunded. Furnish and install plumbing and fire protection in Fern Rock Yard and Station.

Pennsylvania Railroad Work. Owners, Pennsylvania Railroad, C. E. Walsh, Purchasing Agent, Seventeenth and Filbert streets, Philadelphia. Contract No. 4, car driving trailer and engine truck axles, piston heads. Contract No. 5, boiler tubes, steel pipes. Contract No. 15, woven wire fencing, fence posts, wire nails, at noon January 19th. Contract No. 9, metal work for bridge superstructure. Contract No. 10, switches, crossing and cross arms. Contract No. 1, guard rails and ramps, all contracts due January 17th at noon. Contract No. 16, steel superstructure and machinery for bridges, due January 18th.

Residences (22), West side Fayette street, North of Johnson street, \$99,500. **Store and Residence**, Southwest Corner Fayette and Seventy-sixth avenue, \$8,000. Architect, private plans. Owner, B. L. Shapiro, 6433 North Broad street, Philadelphia. Brick, 2 stories, 16x29 feet, 13x12 feet, and 3 stories, irregu-

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox

A. S. Janeway

Wm. Barnes

50% REDUCTION ON SCALES

FOR DRAUGHTSMEN

White Edge and Plain Boxwood—While They Last

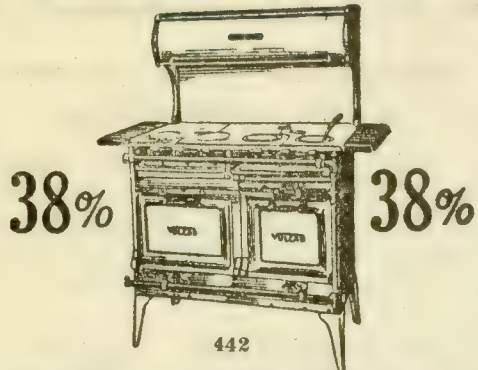
Also Large Assortment of High Grade Swiss and German DRAWING
INSTRUMENTS AT GREAT REDUCTIONS

Come Early While Choice Is Good—Everything for the Draughting Room

J. H. WEIL & COMPANY

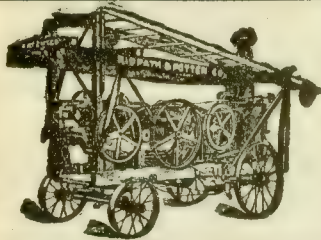
Established 30 years

1317 Cherry Street, Philadelphia

**VULCAN SMOOTHTOP
(COMPACT CABINET) GAS RANGES**

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

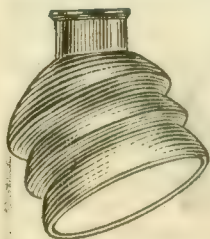
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

lar size, hot water heat, electric light. Permit issued.

Residences (40), Markland street, South of Lycoming avenue, \$229,000. Architect, private plans. Owners, Gale & Witty, Inc., N and Luzerne streets, Philadelphia. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Warehouse (alts.), 402 South Water street, Philadelphia, \$3,000. Architect, private plans. Owners, Infante Brothers, Northeast Corner Water and Pine streets, Philadelphia. General alterations. Permit issued.

Garages (5), 569-71-73-75-77 Marwood street, Philadelphia, \$2,000 total. Architect, private plans. Owner, Andrew Pinkerton, Twenty-eighth and Arizona streets, Philadelphia. Brick, 1 story, 10x18 feet, slag roof, cement floors, electric light. Permit issued.

Supplies, Fairmount Park, Philadelphia. Owners, Commissioners of Fairmount Park, 227 City Hall. Owners taking bids due January 18th at noon. Certified check or bond,

\$500. Lumber, bricks, cement, gravel, hardware, vehicles and machinery, paints, glass, etc., iron, steel, castings, electric supplies, plumbing supplies, stoves, tin, etc., paving, curbing, cut granite, vitrified brick, border irons, terra cotta pipe, rubber goods, lubrication oils and grease, broken trap rock, screenings, tree guards, top soil, concrete sidewalks.

Sewer Work, Phila. Owner, Dept. of Public Work, Bur. of Engr., 216 City Hall. Schedule A, branch sewers; Schedule B, main sewers, Duncannon, Erie, Mansfield Sts. Terti-fied check 5%. Owner taking bids due Jan. 19th at noon.

Supplies, Phila. Owner, Pur. Agt. E. J. Lafferty, 329 City Hall. Owner taking bids due Jan. 18th. Certified check 5%. Crushed pebbles, crushed stone, asphalt, sand, limestone, dust filler, asphaltin cement, rubber covered copper wire.

Penna. R. R. Work, Pur. Agt. C. E. Walsh, 17th and Filbert Sts., Phila. Owner taking bids due Jan. 21st. Contract No. 14, 1 1/4-inch rim wrot steel wheels.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, 5226 North Third street, Philadelphia, \$4,000. Architect, private plans. Owner, Sidney Bale, 5226 North Third street, Philadelphia. Brick, 2 stories, 18x30 feet, hot water heat, electric light, slag roof, pine floors. Contract awarded to Thomas Rorland Bale, 3364 Rand street, Philadelphia.

Store Building, 2012 Chestnut street, Philadelphia. Architect, A. S. Love, Jr., 116 North Twenty-second street, Philadelphia. Owner, Donald M. Love, Wynnewood, Pa. Lessees, J. B. Sheppard & Co., 1008 Chestnut street, Philadelphia. Reinforced concrete and brick, 4 stories and basement, 40x115 feet, slag roof, cement floors. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Alterations, 128 South Nineteenth street, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Isaac Grossman, on premises. Limestone, steel, painting, glazing, plastering, mill work, steam heat, electric light. Contract awarded S. A. Sims, 2315 Walnut street, Philadelphia.

Garage, 2037 Ritner street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, N. Louonge, 1606 San-

som street, Philadelphia. Brick, 1 story, 20x20 feet, slag roof, cement floors. Contract awarded V. Mangiamale, 1646 South Sixteenth street, Philadelphia.

Store Building, 904-06 Chestnut street, Philadelphia. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Residence (alts.) to Apartments (3), 419 Locust avenue, Germantown, \$14,000. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Edward Murphy, on premises. Cinder block, stucco, 3 stories, 12x10 feet, 18x11 feet, 6x24 feet, hardwood floors, slag roof, steam heat, electric light. Contract awarded Vincent Mercaldo, 411 Locust avenue, Germantown.

Apartment Buildings (2), 4101-03 Spruce street, Philadelphia, \$425,000. Architect, private plans. Owner, Samuel Silverman, 803 Land Title Building, Philadelphia. Brick, 4 stories, 42x33 feet, 33x144 feet, slag roof, hardwood floors, pine and cement floors, steam heat, electric light, tile work. Permit issued.

Residences (2), 7221-23 North Emlen street, Philadelphia, \$20,000. Architect, private plans. Owner, Charles F. Davenport, 6612 Wayne

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

avenue, Philadelphia. Brick, 2 stories, 18 feet 6 inches x 54 feet 2 inches, hardwood and pine floors, slag roof, hot water heat, electric light, tile work. Permit issued.

Residence (add.), 4104-06-08 Ludlow street, Philadelphia, \$2,500. Architect, private plans. Owner, E. P. Reed, 1619 Chester avenue, Philadelphia. Brick, 2 stories add., 12x12 feet. Permit issued.

Store, 1418 Vine street, Philadelphia, \$8,000. Architect, private plans. Owner, J. B. Jar-della, Jr., Packard Building, Philadelphia. Brick, 2 stories, 15x68 feet, slag roof, pine floors, electric work. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Store, 2124-26-28 Fairmount avenue, Philadelphia, \$7,000. Architect, private plans. Owner, George Hainten, 2203 Fairmount avenue, Philadelphia. Brick, 1 story, 35 feet 6 inches x 61 feet, slag roof, pine floors, electric work. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street.

Chimney, Southeast Corner Thirty-fourth and Lehigh avenue, Philadelphia, \$5,400. Owners, Bornot, Inc., Seventeenth and Fairmount avenue, Philadelphia. Contract awarded to M. W. Kellogg Co., 7 Day street, New York.

Residence and Store (alts.), Southwest Corner Sixth and Morris streets, \$4,700. Architect, private plans. Owner, D. Sgransky, 7238 Germantown avenue, Philadelphia. General alterations. Contract awarded to Solomon Kravitz, 535 South Fifty-seventh street, Philadelphia.

Residence (add. and alts.), 2921 Girard avenue, Philadelphia, \$2,100. Architect, private plans. Owner, J. McKenna, 1220 North Twenty-seventh street, Philadelphia. Brick, 1 story add., 13x8 feet 6 inches, general alterations. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street, Philadelphia.

Residence and Store (alts.), 1014 South Ninth street, Philadelphia, \$2,000. Architect, private plans. Owner, Concetta Bertolini, 1014 South Ninth street, Philadelphia. General alterations. Contract awarded to Guerin Marchini, 1346 Ellsworth street, Philadelphia.

Additions and Alterations, 5308-10-12 Rising Sun avenue, Philadelphia, \$12,500 total. Architect, private plans. Owners, Edwin F. Bickley Co., Northeast Corner Rising Sun and Tabor road. Brick, 1 story add., 13x32 feet, general alterations. Contract awarded to Hugh A. Hamilton Co., Greene and Cheltenham avenue.

Restaurant, West side Roosevelt Boulevard, South of Solly avenue, Philadelphia, \$8,000. Architect, private plans. Owner, John Reardon, Roosevelt Boulevard, South of Solly avenue, Philadelphia. Brick, 1 story, 32x68 feet. Contract awarded to Lewis Ahlers, Rhawn and Large streets, Philadelphia.

Residence (add.), 421 West Hortter street, Philadelphia, \$5,000. Architect, private plans. Owner, Julius Werntraub, on premises. Stone, 2 stories add., 10x13 feet. Contract awarded to H. E. Grau Co., 2125 Cherry street, Philadelphia.

Office and Warehouse (alts.), Northwest Corner Thirteenth and Cherry streets, Philadelphia. Owners, Mastbaum Brothers & Fleischer, agents, 1424 South Penn Square, Philadelphia. General alterations. Contract awarded to Albert Zellfelder, 1324 Walnut street, Philadelphia.

Tank, North side Elmwood avenue, West of Sixty-ninth street, Philadelphia, \$8,000. Own-

ers, General Electric Co., Sixty-eighth and Elmwood avenue, Philadelphia. Contract awarded to Pittsburgh-Des Moines Steel Co., 50 Church street, New York City.

Residence and Store (add.), Southeast Corner Eighteenth and Mifflin streets, \$2,000. Architect, private plans. Owner, Guiseppe De Silvestia, Fifteenth and Dickinson streets, Philadelphia. Brick add., 16x20 feet. Contract awarded to Frank Breotta, Southeast Corner Seventh and Christian streets, Philadelphia.

Temporary Nurses' Home, Field Office and Toilet Room, 18th and Bainbridge Sts., Phila. Architects, Stewardson & Page, 315 S. 15th street, Philadelphia. Owner, Children's Hospital of Philadelphia, on premises. Cinder concrete block, nurses' dormitory, 2 stories and basement, 31x126 feet; field office and toilet rooms, 1 story, 18x8 feet, rubberoid roof, pine floors, celotax, sangmetal partitions, marbeloid ornamental iron work. Contract awarded F. W. VanLoon, Perry Budg., Phila.

Garage, Rear of 1831 Harrison St., Phila., \$6,500. Architect, private plans. Owner, Joseph A. Gerety, 1831 Harrison St., Phila. Brick, 1 story, 106 feet 6 inches by 16 feet, slag roof, cement floors, electric light. Contract awarded to S. Rarick, 5710 Hegerman street.

Store and Garage, 117 W. Cheltenham Ave., Phila., \$50,000. Architect, private plans. Owner, Alfred M. Worth, Hillcrest and Germantown Ave., Phila. Brick, 2 stories, 70x50 feet, 45x80 feet, slag roof, pine and cement floors, electric light. Contract awarded to John R. Erbe, 2551 N. 6th St., Phila.

Shop, 843 N. 3rd St., Phila., \$5,000. Architect, private plans. Owner, Joseph Ortleib, on premises. Brick, 2 stories, 19x117 feet, slag roof, electric light. Contract awarded to Wm. F. Koelle, 2601 Oxford St., Phila.

Pennsylvania Construction News

Parochial School, McAdoo, Pa. Architects, Sheridan & Knoblock, Markle Bank Bldg., Hazleton, Pa. Owners, St. Cunigunda's R. C. Church, Rev. J. J. Klekota, Washington St., McAdoo, Pa. Brick and stone, 2 stories and basement, 61x63 feet. Plans in progress.

Rectory, Hazleton, Pa. Architects Sheridan & Knoblock, Markle Bank Bldg., Hazleton, Pa. Owners, St. Joseph's R. C. Church, Rev. L. J. Kroner, 604 N. Laurel St., Hazleton, Pa. Brick and stone, 3 stories, 36x70 feet. Plans in progress. Architects will be ready for bids in about four weeks.

Sewer, Oakmont, Pa. Engineer, A. C. Williams, Twp. Bldg., Oakmont, Pa. Owners, Commissioners of Haverford Twp., Pa., F.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

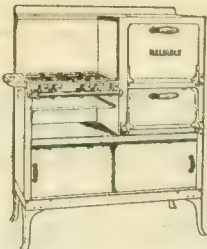
for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

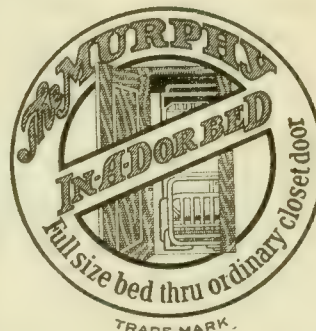
H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric s



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murph

THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

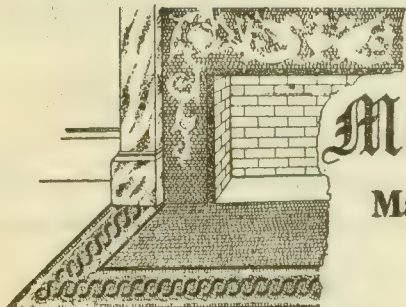
Berk
19 We

THERE IS ONLY ONE IN-A-D
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

112 North 7th Street CAMDEN, N. J. Camden 5766 W



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

TRUSCON

Protects Concrete



Regulates the set, and eliminates uncertain
of cement floor finish. Furnished in crysta
the job. This results in economy. For furth

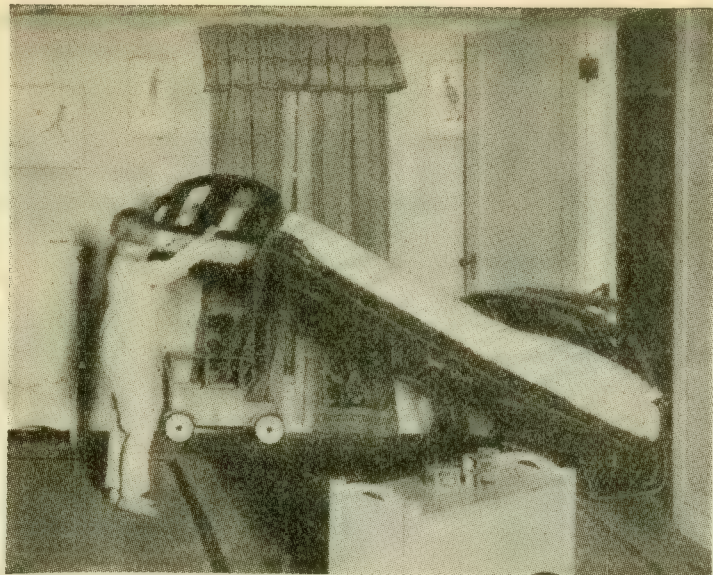
**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

EDS

nes
ags
ill at our
n kitchen
boards as
ds

CO.
Building
4th Street
York
BED



A child can operate the bed

ortable, Convenient
ere represented sell
Specified Materials or
of their co-operation.



EMPERITE

n Freezing

to time for first trowelling
m, all water being added at
ormation, ask

e Truscon
poratories



Phila. Office :
1505 Race Street

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Architectural Cast Cut Stone Company

GRANITE
LIMESTONE
GRAYSTONE
Any Color desired

Office and Factory
344 Haddon Avenue
WESTMONT, N. J.

U. A. GASPARRI, General Mgr.

Bell, Collingswood 1788

MITCHELL BROS.
Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building
Philadelphia

Lombard 4900

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Fritschman. Construction 10-inch sewers, 8-inch T. C. sewers. Deposit \$5.00 each set. Refunded. Certified check, \$500. Owners taking bids due Jan. 17th, 7.30 P. M.

Residence, Eddington Tract, Eddington, Pa. Architect, Eugene A. Stopper, 10 S. 18th St., Philadelphia. Owner, Wm. Ludascher, 219 W. Ruscomb St., Phila. Frame, brick, 1½ stories and basement, 75x45 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work. Architect taking bids due as soon as possible.

Apartment Building, Upper Darby, Pa. Architect, Willis A. Hall, Upper Darby, Pa. Owner, name withheld. Brick, steel, limestone, concrete, 4 stories, 80 apartments. Plans in progress.

Theatre, Store and Office, Bristol, Pa., \$250,000. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Bodek Rabinovitz Runtf Theatre Co., 53 North Third street, Philadelphia. Brick, steel, concrete, terra cotta, limestone, 2 stories, 1500 seating capacity. Plans in progress. Will take bids in spring of 1927.

Apartment Building, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, name withheld. Brick, steel, limestone, 4 stories, 50x125 feet, slag roof, hardwood floors, electric light, tile work. Plans in progress.

Apartment Building, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Samuel Fox, 219 South Sixteenth street, Allentown, Pa. Brick, 3 stories, 35x65 feet, slag roof, pine floors, steam heat, electric light, tile work, ornamental iron. Plans in progress.

Garage and Show Room, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Klein Motor Co., Main Boulevard and Walbert avenue, Allentown. Brick, steel, 2 stories, 80x128 feet, slag roof, concrete and tile floors, hollow tile, elevators, roof ventilators, waterproofing, cast stone, ornamental iron, fire doors, steel sash, tile work (heating, plumbing and electric reserved). Plans in progress.

School No. 33, Quincy street, Scranton, Pa. Architect, A. P. Coon, Traders' Bank Building, Scranton, Pa. Owners, Scranton Board of School Control, J. D. Hughes, secretary, 425 North Washington avenue, Scranton, Pa. Brick, steel, fireproof, 3 stories, 30 rooms, slag roof, maple floors, hollow tile, roof ventilators, iron stairs, fire doors, steel sash and skylights, tile work (heating, plumbing and electric separate). Plans in progress.

Store and Apartments, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, David Epstein, 646 North Twelfth street, Allentown, Pa. Brick, 4 stories, 42x93 feet, slag roof, pine floors, plate glass, copper work, ornamental iron, iron stairs, skylights, tile work, steam heat, electric light. Plans in progress. Owner will sublet.

Apartment Building, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Samuel Rapoport, 310 South Fulton street, Allentown, Pa. Brick, 3 stories, 22x80 feet, slag roof, pine floors, steam heat, electric light, tile work, iron stairs. Plans in progress. Owner will take sub-bids.

Garage, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa.

Owner, Reuben Marker, Allentown, Pa. Brick, steel, 1 story, 31x40 feet, slag roof, concrete floors, steel sash, electric light. Plans in progress. Owner will take sub-bids.

Store and Apartment, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Edgar Sempren, Allentown, Pa. Brick, 3 stories, 20x108 feet, slag roof, pine floors, hot water heat, electric light, tile work, skylights, plate glass, copper work, iron stairs. Plans in progress. Owner will take sub-bids.

School (add.), Highspire, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, Borough of Highspire School Board, John Wetzel, president, Highspire, Pa. Brick, 1 story, 3-room add. Plans in progress.

Twin Residences and Garages (12), Roland Park, Elkins Park. Architect, private plans. Owner, A. Dektor, 205 Franklin Building, Philadelphia. Brick, cinder block and stucco, 2½ stories, 20x39 feet, 1 story, 20x20 feet, wood shingle roof, hardwood floors, cement work, hot water heat, electric light, tile and marble work. Owner taking sub-bids.

Apartment and Store, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Ralph Prete, 502 South Fifth street, Allentown, Pa. Brick, 3 stories, 20x80 feet, slag roof, pine floors, hot water heat, electric light, tile work, plate glass, copper work, iron stairs. Owner will build.

Sewers, Bon Air and Haverford roads, District of Haverford Township, Pa. Owners, Commissioners of Haverford Township, T. Weidemann, Oakmont, Pa. 10,000 feet sewers. Work contemplated in spring, 1927.

School, Allentown, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Catherine of Sienna Roman Catholic Church, Allentown, Pa. Brick, steel, 2 stories and basement, 128x61 feet, slag roof, pine and cement floors (plumbing, heating, electric reserved), metal lath, tile work, bond, ornamental iron work. Architects taking bids due January 15th.

Residences and Garages (3), Elkins Park, Pa. Architect, Edwin A. Schoeppe, 316 South Fifteenth street, Philadelphia. Owner, P. P. Hagan, care of architect. Stone, hollow tile, stucco, 2½ stories, 27x36 feet, 1 story, 15x20 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, tile work. Architect taking bids due January 15th.

Residence and Garage, College Hill, Easton, Pa. Architect, William Michler, Drake Building, Easton, Pa. Owner, Charles H. Knight, Sullivan street, Easton, Pa. Indiana limestone, hollow tile, 2½ stories, 80x33 feet, 24x40 feet, tile roof, hardwood floors, tile work, electric work, Warren Webster heat, oil burner. Architect taking revised bids.

Auditorium, East Stroudsburg, Pa. Architects, E. H. Davis and George M. D. Lewis, Board of Trade Building, Scranton, Pa. Owners, Board of Trustees, State Normal School, care of Dr. Allen, East Stroudsburg, Pa. Brick, steel, 1 story and basement, 70x125 feet, slag roof, maple and cement floors, hollow tile, steam heat, electric light, metal lath, bond. Owners ready for revised bids.

Bridges (3), St. Denis, Elamb, Michigan avenue, Delaware County, Pa. County engineer, George Wright, Media, Pa. Owners, County Commissioners, Delaware County, Media, Pa. Owners taking bids due January 18th. Certified checks: St. Denis, \$2,500; Michigan avenue, \$1,000; Elamb, \$1,000. Deposit, \$5 each set.

William McKinley School (add.), Glenolden, Darby Township, Delaware County, Pa. Architect, Mahlon J. Bye, Summitt avenue, Primrose, Pa. Owners, School of District of Darby Township, H. Fisher, Sharon Hill, Pa. Brick, cut stone, reinforced concrete, steel, 1

story and basement, 59x28 feet, 26x18 feet (plumbing, heating, electric separate), built-up roof, slate roof, pine and cement floors, metal lath, waterproofing, bond, ornamental iron work, limestone. Owners taking bids due January 14th, 6 P. M.

Warehouse, Wilkes-Barre, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Nelson Brothers, 38 Baltimore street, Wilkes-Barre, Pa. Brick, slow burning construction, 4 stories, 100x263 feet, asphalt roof, pine floors, (2) elevators, roof ventilators, iron stairs, fire doors, steel sash, metal lath, steam heat, electric light. Plans in progress.

School (add.), Forty Fort, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Forty Fort School Board, care of architect. Brick, 2 stories, 8 rooms, slag roof, maple floors (electric work, heating and plumbing separate). Plans in progress.

Residence, Wilkes-Barre, Pa., \$30,000. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 2½ stories, 28x60 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

School, Gymnasium and Auditorium, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, steel, 2 stories and basement, 61x132 feet, composition roof, pine floors, hollow tile, safety treads, roof ventilators, waterproofing, dampproofing, iron stairs, steel sash (heating, plumbing and electric separate). Plans in progress.

Residence and Garage, Wynnewood, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Fred Peirce, Esq., on premises. Stone, 2½ stories, slate roof, tile, hardwood floors, plumbing, tile baths (3) (heating reserved), electric light. Plans about completed. Architects will be ready for bids in a few days.

Church (add.), St. Paul road and Athens avenue, Ardmore, Pa. Architect, Benjamin R. Stevens, 1827 Arch street, Philadelphia. Owners, Ardmore Baptist Church, Ardmore, Pa. Stone, cast stone, steel, 1 story and basement, 48x20 feet, 57x37 feet, slate roof, pine and cement floors, plumbing, steam heat, electric light, metal lath, ornamental iron work. Architect taking bids due January 18th.

Printing Establishment, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Roeder & Co., R. Frethaway & Son, Wilkes-Barre, Pa. Brick, hollow tile, 1 story, 100x140 feet, built-up roof, maple floors, hollow tile, roof ventilators, waterproofing, electric light, steel sash and skylights, fire doors. Architects taking revised bids due about January 20th.

Bank, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., Broad and Main streets, Bethlehem, Pa. Fireproof, steel, concrete, 5 stories, 40x45 feet, concrete roof, composition and linoleum floors, heating extension, electric light, metal lath, tile work. Architect taking bids.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

Pennsylvania Contracts Awarded

Residence and Garage, City Line and Belmont avenue, Bala, \$75,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Melville Curtis, care of Collins & Aikman, Fifty-first and Columbia avenue. Stone, 2½ stories and basement, irregular in size, hot water heat, electric light, tile work, metal lath, slate roof, oak and pine floors, ornamental iron work. Contract awarded Barnes & Ritchie, 10 East Forty-third street, New York.

Residence (alts. and add.), Meadowbrook, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, John Harrison, on premises. Bond, stone work, waterproofing, limestone, iron work, flagstone, carpentry and mill work, area gratings, oak and pine floors, tile roof, metal lath, slate roof, painting and glazing. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Stores (2), 414 Darby road, Llanerch, Pa. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, W. C. Stranaghan, Llanerch, Pa. Brick, 1 story, 27x40 feet, slag roof, pine floors, electric light, metal bulks, plate glass. Contract awarded Earl Roberts, Brookline, Pa.

Church, East Stroudsburg, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Grace Lutheran Church, Rev. J. S. Kistler, 29 Lackawanna avenue, East Stroudsburg, Pa. Associate architects, Lacey and Rinker, East Stroudsburg, Pa. Brick, 1 story, 98x59 feet. Contract awarded to Tamaqua Const. Co., Tamaqua, Pa.

Rectory, Spring street and Center avenue, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Margaret's Roman Catholic Church, Rev. William J. McShain, 1012 North Fifth street, Reading, Pa. Brick, steel, 2 stories, 68x57 feet, built-up roof, concrete and maple floors, cast stone, ornamental iron, tile and marble, steam heat, electric work. Contract awarded to Reider & McLaughlin, 524 McKnight street, Reading, Pa.

Schools (3) (alts.), Shenandoah, Pa. Architect, D. H. Grootenbeer, Schuylkill Trust Building, Pottsville, Pa. Owners, West Mahanoy Township School District, David Cooney, secretary, Lost Creek, Pa. Brick and frame, general alterations. Contract awarded to Bastress Lumber Co., Shenandoah, Pa.

Residence, Wyndmoor, Pa. Architects, Folsom, Stanton and Graham, 10 South Eighteenth street, Philadelphia. Owner, Walter E.

Rex, care of architect. Stone, 2½ stories, 39x46 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded Roy Randall, Jenkintown, Pa.

Store and Apartment Building (add. and alts.), Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Dr. W. B. Boyer, care of architect. Brick, 3 stories, 80x24 feet, electric light, hot water heat, hardwood floors, tile work. Contract awarded to Rhoads Const. Corp., 1502 North Thirteenth street, Reading, Pa., \$38,775.

Seventh Street Bridges (repairs and reconstruction), Delaware County, Pa. Engineer, George Wright, Delaware County, Media, Pa.

Always-When You Need Gratings —



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Owners, Commissioners of Delaware County, Media, Pa. Contract awarded Dunleavy Brothers, Coatesville, Pa., \$3,450.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Jefferson County, R-61, A-4213, Snyder Township. One course reinforced concrete. Contract awarded to Minns Brothers, DuBois, Pa., \$96,666.89.

Cambria County, R-525, O-4240, Lower Yoder Township. One course reinforced concrete. Contract awarded to E. H. Brua, Hollidaysburg, Pa., \$90,654.82.

New Jersey Construction News

Office Building, Southwest Corner Mt. Vernon and Pacific avenues, Atlantic City, N. J., \$750,000. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street. Owners, I. B. Press Realty Co., care of architects. Brick, steel, concrete, 8 stories, 38½x150 feet, slag roof, concrete floors, elevators, steam heat, electric light, tile and marble work. Plans in progress.

Bakery (add.), Trenton, N. J. Architect, C. B. Comstock, 110 West Fortieth street, New York. Owners, William J. Frehofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Brick, steel, 1 story. Plans in progress.

Armory, Atlantic City, N. J. Architects, Divisions of Architecture and Construction, Trenton, N. J. Owners, State Armory Board, D. S. Hill, Trenton, N. J., Department of Institutions and Agencies, Trenton, N. J. Brick, steel, 1 and 2 stories, 258x141 feet. Plans in progress.

Apartment House and Stores, Merchantville, N. J. Architect, H. W. Moffett, 104 Market street, Camden, N. J. Owners, Urban-Suburban Realty Co., Fourth and Market streets, Camden, N. J. Stucco, hollow tile, cast stone, 2 stories, 25x87 feet, hardwood floors, electric light, tile work. Plans in progress.

Residence, Margate City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, Mrs. Ida Van Valkenberg, care of architect. Frame, 2½ stories, 26x42 feet, slate roof, hardwood floors, tile work, electric light. Revised plans in progress.

Parochial School, Pleasantville, N. J. Architect, A. F. Amodio, Segal Building, Atlantic City, N. J. Owners, St. Peter's Roman Catholic Church, Rev. Dr. F. J. McCallion, Pleasantville, N. J. Brick, 2 stories, 60x100 feet, hardwood and composition floors, steam heat, electric light. Revised plans in progress.

Morgue, Camden, N. J., \$90,000. Owners, Board of Freeholders, J. H. Beard, Jr., Chair-

man, Camden, N. J. Brick, stone. Tentative plans drawn. Work contemplated.

Bank Building, 1213-15 Broadway, Camden, N. J. Architect, private plans. Owners, American National Bank, W. E. Morganwick, president, Dr. I. S. Siris, 936 Broadway, Camden, N. J. Brick, limestone, 1 story and mezzanine, 40x80 feet, slag roof, electric light. Owners taking bids due as soon as possible.

School Building, Merchantville, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Mr. Taylor, Merchantville, N. J. Owners taking revised bids due January 15th.

Hospital Building, Madison avenue, Mt. Holly, N. J. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Burlington County Hospital, Mrs. V. C. Palmer, Moorestown, N. J. Low bidder: J. S. Rogers Co., Drexel Building, Philadelphia.

New Jersey Contracts Awarded

Convention Hall, Mississippi avenue and Boardwalk, Atlantic City, N. J. Architects, Lockwood, Greene, Inc., 1 Pershing Square, New York. Owners, Atlantic County Commissioners, Harry T. Headley, Director, Streets and Public Improvements, Atlantic City, N. J. Engineer, A. H. Nelson, Guarantee Trust Building, Atlantic City, N. J. Reinforced concrete, brick, cast stone, steel, 4 stories and basement, 360x650 feet (plumbing, heating and electric separate), promenade tile and composition roof, cement, pine and oak floors, hollow tile, roof ventilators, shoring, membrane waterproofing, Parlock dampproofing, metal lath, tile, marble and terrazzo, rolled steel skylights and doors, bond, iron stairs, ornamental iron, limestone, granite, steel stack, area gratings, bronze, imitation travertine, acoustical treatment. Contract awarded to M. B. Markland, Freeman Building, Atlantic City, N. J., \$4,532,050. Electrical to Frank P. Wright, Atlantic City, N. J., \$430,966. Heating and ventilating to Riggs-Distler Co., Baltimore, Md., \$509,000. Plumbing to W. L. Cornell Co., Pittsburgh, Pa., \$140,000.

Auto Sales Building, Southwest Corner Hadson avenue, Northwest Copewood, Camden, N. J., \$30,000. Architect, C. E. Wunder, 1520 Locust street, Philadelphia. Owner, Paul W. Evans, 4301 Chestnut street, Philadelphia. Brick, cut stone, steel, limestone, granite, 1 story and basement, 160x66 feet (lockers, heating, plumbing, electric reserved), slag roof, cement floors, hollow tile, dampproofing, metal lath, tile work, rolled steel sash and skylights, bond, ornamental iron work, metal bulks. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Ice Plant, Ocean City, N. J. Architect, private plans. Owners, American Ice Co., City Center Building, Philadelphia. Brick, steel, 1 story, 35x100 feet, 30x50 feet, slag roof, cement floors, ornamental iron work. Contract awarded R. E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Boiler Room (add.), Cooper Hospital, Sixth and Stevens streets, Camden, N. J., \$5,000. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Cooper Hospital, on premises. Brick and block, 1 story add., 19x24 feet 3 inches, asphalt roof. Contract awarded to William R. Dougherty, 1608 Sansom street, Philadelphia.

Miscellaneous Contracts Awarded

Church, Richmond, Pa. Associate architects, Frank R. Watson, 1520 Locust street, Philadelphia, and L. R. Hartsock, Richmond, Va. Owners, St. Stephen's Protestant Episcopal Church, Richmond, Va. Contract awarded James & Conquest, Richmond, Va.

(Continued from p. 20)

amount of water used in mixing provided that the mix is workable and that the materials used are clean and sound. Many engineers and builders had believed this was the factor governing the strength of cement and it was proved to be such by Duff A. Abrams, director of the Portland Cement Association Laboratory, who established the law after a long series of tests.

In the government booklet a series of tables are given in which the strength

BELMONT IRON WORKS
PHILADELPHIA NEW YORK EDDYSTONE
Engineers - Contractors - Exporters
STRUCTURAL STEEL
Complete Industrial Buildings



MAIN OFFICE & WORKS, PHILA.
22nd and Washington Ave.

CABLE ADDRESS:
"BELIRON"

NEW YORK OFFICE:
32 BROADWAY

Code: Western Union
Five Letter Edition

Illustrated Catalog in English, French and Spanish
mailed on request

Complete warehouse stock structural shapes and
plates ready for immediate shipment

IMMEDIATE DELIVERIES

Step Ladders
Bricklayers' Ladders
Painters' Ladders
Rolling Ladders
Painters' Swing Staging

LADDERS

Extension Ladders
Sectional Ladders
Swinging Stages
Jacks and Hods

T. C. KREWSON, Manufacturer

BELL PHONE, REGENT 9130

801 and 803 Master Street, Philadelphia

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

PHILADELPHIA AS A BUILDING CENTER

A Classified and Tabulated Statistical Review of Structural Activities During 1926

Number of New Buildings Erected from January 1st to December 31st, 1926

Amusement, Places of.....	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Operations	Estimated Cost
Auditorium	..	1	..	..	..	2	1	1	..	1	1	1	8	1,955,000
Banks	2	..	..	..	..	..	..	..	..	1	..	..	1	1,000,000
Churches	1	2	..	1	2	2	1	4	2	2	2	..	7	\$647,000
Club Houses	..	..	1	3	..	..	4	..	1	..	..	..	24	2,634,500
Convents	..	..	..	..	..	..	..	..	3	..	2	1	6	295,200
Dwellings, one-story	..	..	1	..	..	1	..	..	..	..	..	..	2	197,000
“ two-story	469	414	1460	4	1	4	1	2	3	..	..	1	16	41,800
“ three-story	22	53	32	1119	761	742	666	605	599	660	433	381	8309	38,465,075
“ frame	4	12	24	15	43	19	15	8	19	10	5	9	250	2,575,400
Engine and Boiler Houses	..	2	..	20	8	8	17	14	21	5	7	5	145	803,500
Garages	69	63	159	2	2	1	..	2	3	..	1	..	13	202,250
Gymnasium	..	..	..	252	206	157	177	108	170	145	127	68	1701	5,249,300
Halls	1	..	..	..	..	..	1	..	..	..	1	..	2	1,045,000
Hospitals	1	..	..	..	2	..	..	3	..	..	1	..	5	1,055,000
Hotels	..	..	..	..	..	1	1	1	..	..	..	..	6	2,159,000
Manufactories	4	3	7	9	..	1	11	..	10	..	..	..	2	635,000
Municipal Buildings	..	..	..	2	7	10	2	6	10	8	6	3	84	8,585,150
Miscellaneous Buildings	1	2	9	8	5	1	2	1	..	7	..	1	7	2,060,995
Office Buildings	3	3	7	4	2	6	8	6	6	1	4	2	61	655,605
Parish Buildings	..	..	..	..	..	1	..	..	..	..	..	..	1	21,087,025
Power Houses	..	..	2	2	..	1	..	3	..	..	1	2	11	40,000
Recreation Buildings	..	..	..	..	..	1	..	1	..	..	1	1	4	1,157,750
Rooming Houses	..	1	..	..	..	..	1	1	1	..	..	1	1	620,400
Schools	1	3	1	1	3	..	2	1	1	..	3	1	17	110,000
Stables	..	..	1	..	..	..	..	..	..	..	..	..	1	8,723,865
Stores	4	14	8	21	11	21	7	4	7	10	15	6	128	1,000
Sesqui-Centennial	1	2	4	12	22	67	113	24	2	..	..	..	247	3,189,920
Tenement Houses	2	1	10	12	4	6	9	36	7	2	6	..	95	4,541,455
Warehouses	5	9	10	11	8	7	6	7	10	7	7	6	93	11,876,000
Workshops	6	2	7	7	5	3	6	4	5	2	4	4	55	3,036,240
														405,225
Total New Buildings.....	596	588	1743	1505	1092	1072	1057	842	872	861	632	498	11358	\$125,050,655
Additions	124	119	229	325	276	274	256	222	242	238	184	94	2583	7,744,640
Alterations and Repairs.....	254	241	354	428	368	361	343	310	296	298	301	191	3745	6,402,420
Grand Total														\$139,197,715
Fire Escapes													17686	
Heaters													80	46,380
Miscellaneous Work													30	22,720
Signs													1518	826,115
													466	174,270
Total Work of All Kinds.....													19780	\$140,267,200

of concrete is shown to be directly dependent upon the quantity of mixing water used. Several aggregate proportions are given but in each case the resulting strength bears a definite relation to the volume of mixing water.

A suggestion, similar to that issued by the Department of Commerce, has been made in a proposed building code prepared by the Pacific Coast Building Officials Conference.

THE BETTER BUILDING EFFORT

Two recent incidents point to some earnest effort to awaken a keener and country wide interest in better building. One is the designing and building of what is termed a test house by R. S. Tilden, engineer, and John T. Briggs, architect, in the suburbs of New York City at the request of directors of the eastern district of the Common Brick Association. The purpose here is to demonstrate that it is practical to build a good substantial house at reasonable cost, that will be dependable and will call for only a minimum of upkeep. This is to be a brick house, in which through the use of common brick it is hoped to hold down the cost of construction, and through the use of proper materials and construction all the way through to make it a good

dependable house.

Meantime there come reports that the Southern Pine Association is having erected a modern hurricane proof home in the Lakeview section of New Orleans out of yellow pine lumber to demonstrate that good homes can be built of lumber, and that when properly built they will stand up in storms.

Several things have contributed to awaken a keener interest in better building, among them earthquakes, hurricanes and too much cheap flimsy construction that has not only opened the way to more damage from hurricanes and earthquakes, but has also shaken some of the faith of builders in the integrity of material men and craftsmen. This furnishes both a need and an opportunity to put forth the subject of better building more efficiently than it would be practical otherwise. It is an opportunity too that we should make the most of and that eventually will result in the use of more brick and hollow tile in building operations. There is no doubt that good construction can be had with other and different materials. We might as well recognize and accept this fact in the outset and not make the mistake of contending that the only real and good house is that built of brick or hollow tile. Mistakes of this kind have been. The main trouble in all the reviews of

earthquakes and hurricane damages is there has been too much partisanship and too much pleading of one material to the exclusion of others, with the result that the showings are not fair and the public instead of being convinced is confused. It gives rise to suspicion and doubts of all propaganda of this kind put out.

It is practical to improve frame construction, it is practical to improve construction made of a combination of brick and hollow tile walls and frame interiors. It is practical to improve construction made of combinations of clay products and concrete and steel. In fact there is always room to improve regardless of the kinds of material used. Also there is always room to use a number of different kinds of material in the construction of a building. Moreover there is a call for us to show due regard for the building public while promoting the interest of our own material if we are to influence and convince the public in this matter of better building. So let us join earnestly and conscientiously in this drive for better building for a study and practice of better building, and the seeking for more permanent and desirable building material will naturally lead to a wider use of clay products in building operations and to profit and the well being of the clay products industry.—*The Clay Worker.*

RECORD OF RESIDENCE CONSTRUCTION IN VARIOUS WARDS OF PHILADELPHIA FOR EVERY MONTH DURING THE YEAR 1926

Showing the Number of Houses for Which Permits Were Issued by the Bureau of Building Inspection

TWO-STORY DWELLINGS—Including Two-story Stores and Dwellings																										
Wards	4	5	7	18	21	22	23	24	25	27	32	33	34	35	36	38	39	40	41	42	43	44	45	46	48	Totals
Jan.	...	...	...	...	14	2	...	...	...	3	...	106	116	90	...	16	...	5	27	103	...	...	1	2	...	469
Feb.	...	...	...	...	...	26	77	...	...	...	...	1	16	33	...	35	...	155	32	32	...	...	26	...	...	414
March	...	1	...	...	7	93	54	...	10	...	...	21	23	309	...	84	...	291	130	463	...	...	24	...	...	1460
April	...	...	...	...	2	59	37	1	...	...	...	64	...	471	1	15	23	11	195	132	36	1	25	...	...	1119
May	...	...	...	7	6	4	2	...	...	...	...	46	83	197	...	23	...	75	5	291	4	...	2	...	...	761
June	...	...	...	...	6	51	4	...	17	...	...	...	199	81	1	38	...	78	38	234	...	...	10	...	...	742
July	...	...	...	...	12	31	5	...	...	...	...	56	223	...	...	...	102	59	127	...	...	13	...	...	...	666
Aug.	...	...	...	...	11	57	5	...	...	...	...	19	202	68	...	...	84	42	97	...	1	19	...	...	...	605
Sept.	...	...	...	...	1	57	19	...	...	...	...	41	190	1	...	38	85	47	117	...	...	3	...	...	...	599
Oct.	...	...	...	...	...	3	52	...	6	...	...	18	2	244	...	...	73	27	194	...	1	40	...	...	...	660
Nov.	...	...	...	...	...	31	20	...	9	...	1	27	39	154	...	22	...	8	7	114	...	...	1	...	...	433
Dec.	4	...	1	...	1	12	3	...	...	...	...	139	...	90	107	...	...	...	2	4	...	...	17	...	1	381
Totals	4	1	1	7	60	426	278	1	42	3	1	422	594	2284	178	233	61	967	611	1908	40	3	181	2	1	8309

THREE-STORY DWELLINGS—Including Three-story Stores and Dwellings																								
	Wards	1	2	3	4	5	7	11	12	13	15	21	22	23	30	34	35	38	40	41	42	46	47	Totals
January				1						5			2			6	2	2		4				22
February							1					1		1			2	1	8		39			53
March		2					1				1	3	8			3	3	4	4		2		1	32
April						4						1	1				2			2	5			15
May					6			1				1	2	1		6	6	2			1	17		43
June			1										10				2	2		1	2		1	19
July					1								4			1	1		8					15
Aug.				2	1				1			1		1			2							8
Sept.												11	3		2	1		1	1					19
Oct.													1				2		4	2	1			10
Nov.												1	1			1					2			5
Dec.					1								1			2	4	1						9
Totals		2	1	3	9	4	2	1	1	5	1	19	33	3	2	20	26	13	25	9	52	17	2	250

WEST END TRUST COMPANY

Broad Street and South
Penn Square, Philadelphia

Capital and Surplus, \$4,000,000

CHECKING ACCOUNTS
SAVINGS FUND ACCOUNTS

Acts as Executor, Guardian or Trustee
Lends Money on Approved Collateral Security

THIS BANK WILL SERVE YOU WELL

HENRY M. GRATZ
President

NEAL BASSETT
Vice-President

JOHN KAY, Vice-President and Treasurer

DAVIS G. VAUGHAN, Secretary

ALBERT H. HASSINGER, CHAS. J. FITZGERALD, Asst. Secretaries

ALBERT H. HASSINGER
Assistant Treasurer

MORRISON C. COLYER
Counsel

THE GIRARD Fire and Marine Insurance Company

502 WALNUT STREET

PHILADELPHIA

Assets over - - - \$5,000,000

DIRECTORS

Henry M. Gratz
John C. Lowry
William R. Nicholson
Franklin M. Potts
Edward J. Thomason
C. S. W. Packard

Neal Bassett
John Kay
Morrison C. Colyer
J. Harker Chadwick
Percy Jackson
Samuel W. Baldwin

Archibald S. Reid
James G. Glenn
Frederick H. Douglas
Walter C. Heath
Charles G. Colyer

No More Ashes To Lug



No clumsy pan to spill dust
and dirt on the kitchen floor

The Glenwood Ash Chute

solves the problem. It is located just
beneath the grate and connected by a
sheet iron pipe straight down through
the kitchen floor to ash barrel in cel-
lar. No part is in sight. Not a par-
ticle of dust can escape. Just slide
the damper once each day and drop
the ashes directly into the ash barrel.

The Dust-Tight Cover

to barrel is another entirely new
Glenwood Idea and is very ingenious.
This is only one of the splendid im-
provements of the new plain

Cabinet Glenwood

the Range without ornamentation or fancy
nickel. "The Mission Style" Glenwood. Every
essential refined and improved upon. This
Range can be had with the latest and most
improved Elevated or End Gas Range attach-
ments. It can be furnished with fire box at
either right or left of oven as ordered. Our
handsome booklet tells all about it.

The Cabinet Glenwood

Henry M. Miller, 46-48-50 North Second St., Philadelphia, Sales Agent

Franklin Fourth Street National Bank

Philadelphia, December 31, 1926

RESOURCES

Loans and Investments.....	\$108,642,729.56
United States Bonds and Certificates.....	7,321,715.62
Customers' Liability under Letters of Credit and Acceptances.....	2,330,505.40
Interest Earned Uncollected.....	487,839.48
Due from Banks.....	30,418,530.65
Cash and Reserve.....	10,202,153.28
Exchanges for Clearing House.....	7,153,899.02

\$166,557,373.01

LIABILITIES

Capital.....	\$ 6,000,000.00
Surplus.....	15,000,000.00
Undivided Profits.....	3,511,444.30
Dividend payable January 1, 1927.....	300,000.00
Reserved for Taxes, etc.....	184,000.52
Discount and Interest Unearned.....	81,350.58
Letters of Credit issued to Customers and Acceptances.....	2,538,894.80
Acceptances of other Banks Sold.....	30,216.68
Bills Payable at Federal Reserve Bank Secured by U. S. Obligations.....	5,750,000.00
Deposits.....	133,161,466.13

\$166,557,373.01

OFFICERS

J. R. McAllister, Chairman of the Board
E. F. Shanbaeker, President

W. K. Hardt, Vice-Pres.
J. A. Harris, Jr., Vice-Pres.
J. Wm. Hardt, Vice-Pres.

W. R. Humphreys, Vice-Pres.
G. E. Stauffer, Vice-Pres.
R. J. Clark, Cashier

Main Office: 1416-18 Chestnut St.
Downtown Office: 131-145 S. Fourth St.

FOUR PHILADELPHIA INSURERS

The Reliance

Insurance Company

Founded 1841
Capital \$1,000,000.Sound Insurance
for over a
Century.of Philadelphia
Capital \$3,000,000.Founded 1817
Fire AssociationHome Office:
4th and Walnut Street,
Philadelphia, Pa.

Victory

Insurance Company

Founded 1919
Capital \$1,000,000.Constitution Indemnity Co.
Founded 1926 Capital \$1,000,000.

Fidelity & Surety Bonds

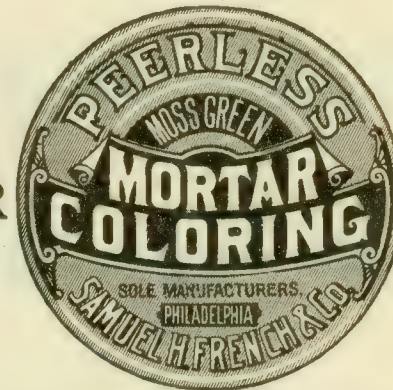
FIRE, AUTOMOBILE AND CASUALTY INSURANCE

FRENCH'S

"Quality First"

PEERLESS

MORTAR



COLORS

Brightest

Strongest

Unfading

Manufacturers also of the Famous

BUCK WHITE LEAD - A combination white paint

CROWN PAINTS - Ready Mixed, semi-liquid, paste

COLORS - in Oil, Japan, distemper, dry

VARNISHES - Elastic, durable, lustrous

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.

Established 1844

PHILADELPHIA

THE LAND TITLE AND TRUST COMPANY

BROAD STREET, CHESTNUT TO SANSOM, PHILADELPHIA

Capital \$3,000,000

Surplus and Profits \$13,500,000

FIRST TRUST COMPANY IN THE PHILADELPHIA CLEARING HOUSE

Deposits received upon which interest is allowed

Titles to real estate insured

Loans on mortgage and approved securities

Trusts executed

Safe Deposit Boxes rented in burglar-proof vaults

President

WILLIAM R. NICHOLSON

Vice-President and General Counsel

EDWARD H. BONSALE

Vice-President

LEWIS P. GEIGER

Secretary

LOUIS A. DAVIS

Trust Officer

CLAUDE A. SIMPLER

Treasurer

WILLIAM S. JOHNSON

Assistant Treasurer

WILLIAM J. HAMILTON, JR.

Assistant Secretary

EDWARD K. MERRILL

Assistant Secretary

RAYMOND L. HAYMAN

Assistant Trust Officer

JOHN W. BROCK, JR.

Assistant Trust Officer

FRANK E. HOLLAND

Real Estate Officer

H. LEROY WEBB

Title Officer

PEIRCE MECUTCHEN

Manager Title Department

SAMUEL EARLEY

DIRECTORS

William R. Nicholson

Samuel S. Sharp

John W. Brock

Eugene W. Fry

Ralph H. North

Joseph E. Widener

Edward H. Bonsall

William M. Elkins

George D. Widener

Thomas Shallcross, Jr.

Percival E. Foerderer

Geo. W. Elkins, Jr.

Cyrus H. K. Curtis

John C. Martin

Edgar G. Cross

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co..Real Estate Trust Bldg., Phila.

H. M. & C. M. Siner.Church and Tacony Sts., Phila.

Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.

Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE

Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES

Service Supply Corporation,
20th and Venango Sts., Phila.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co..Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.

Massiah, Frederick.Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick.Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

Service Supply Corporation..20th and Venango Sts.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co....Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co....1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr.....829 N. 3rd St., Phila.

Phila. Building Material Co., 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co..829 N. 3rd St., Phila.

Master Builders Co.Otis Bldg., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co....512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co.....1729 Sansom St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co..Erie Ave. & "D" St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co..829 N. 3rd St., Phila.

Master Builders Co.Otis Bldg., Phila.

Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co...2313 Walnut St., Phila.

Selby Battersby & Co.....810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co....1026 Arch St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.

Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.

Cox, Janeway & Co..Real Estate Trust Bldg., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America....1600 Arch St.

Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.

Smith-Austermuhl Co.Camden, N. J.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co...Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co....11th and Noble Sts., Phila.

Lederle, Robt. B., & Co..Witherspoon Bldg., Phila.

Livezey, Thos. H..American and Luzerne Sts., Phila.

Montgomery Iron & Steel Co..2500 Duncan St., Phila.

Murlin Mfg. Co.5420 Paschall Ave., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. ..Norris and Richmond Sts., Phila.

Ketcham, Howard.....3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.

Camden Tile Co.Camden, N. J.

Italian Marble Mosaic Co.433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co....435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.

Mercaldo, Vincent..411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. ..Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Joseph SterlingCamden, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co..2500 Duncan St., Phila.

Penn Steel Service Co.Fuller Bldg., Phila.

H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co.617 Filbert St., Phila.

Service Supply Corporation,
20th and Venango Sts., Phila.

ROOFING

Benjamin Foster Company,
20th and Venango Sts., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co.7254 Paschall Ave., Phila.

Service Supply Corporation,
20th and Venango Sts., Phila.

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co. ..2317 Walnut St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co..Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES

Edwin Elliott Co.560 N. 16th St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

"SURETY BONDS"

Smith-Austermuhl Co.Camden, N. J.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.



1792 1926

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Service

When you go to a North America agent for insurance, all you pay are the premiums. His service costs you nothing. It includes complete information on the various forms of insurance protection, practical advice on the best policies for your purposes, and inspection of your property and business risks as often as you wish it.

Consult your agent as you would your lawyer or doctor.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Lowers the Freezing Point of Concrete to 15° F.

You don't have to stop your Concrete and masonry work during freezing weather if you use "ANTI-HYDRO." All the brick work in this building was laid during freezing weather; results were entirely satisfactory.

"ANTI-HYDRO" is a liquid integral compound which also makes concrete permanently hard and waterproof all in one operation. It is easy and economical to use—simply mix it with the gauging water—no skilled labor required.

During the 22 years that "ANTI-HYDRO" has been in use, it has never failed to produce satisfactory results. Use it on your next job.



Polytechnic
Prep. School
Brooklyn, N.Y.

Arch., Lord &
Hewlett

Contr., George
Mertz Sons

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 3
January 19, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets

PHILADELPHIA

BELL—MICHIGAN 2300

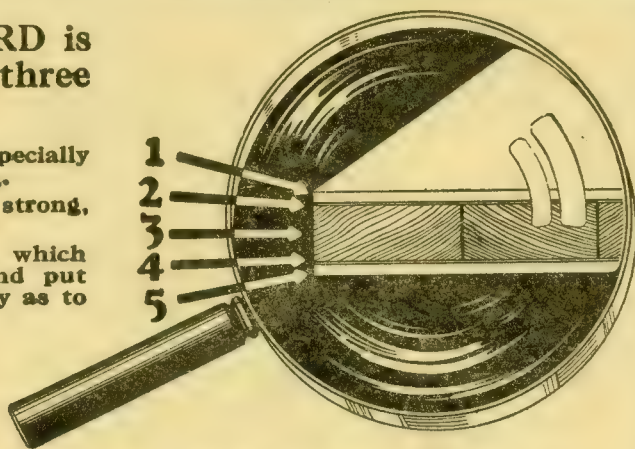
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

The Reason

We are able to handle anything from
Architectural or Monumental Build-
ings to the largest Power Plant or
Substation is ORGANIZATION,

We have yet to find an Electrification
too large or intricate for us to handle.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue

PHILADELPHIA

LIBERTY

WHERE THIS BOOK GOES
SO DO WE
NO JOB TOO BIG OR TOO SMALL
A COMPLETE INSTITUTION
IN ALL ITS BRANCHES

HOUSE AND WINDOW CLEANING COMPANY

629 CHESTNUT STREET, Philadelphia, Pa.

BELL PHONE: LOMBARD 6400

OUR 15 YEARS EXPERIENCE YOUR GUARANTEE

SERVICE SUPREME
SKILLED WORKMEN
ALL JOBS PERSONALLY
SUPERVISED BY EXPERTS
OUR PRICES ARE RIGHT
AND HARD TO BEAT

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

[JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

MURLIN

MANUFACTURERS OF

Cast
**Exterior Ornamental
LIGHTING**

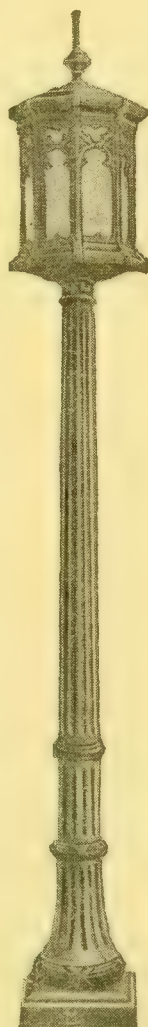
The proper lighting of
Developments will rapidly
increase the sale and value
of Real Estate.

It has become an essential
to Builders and Real Estate
Developers.

Our Engineering Depart-
ment is in a position to take
care of your requirements.

MURLIN MFG. CO.

5420 PASCHALL AVENUE
PHILADELPHIA, PA.



INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

1711 Chestnut Street
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative

1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



ONE BAG TILTER NOW AT HALF BAG PRICE

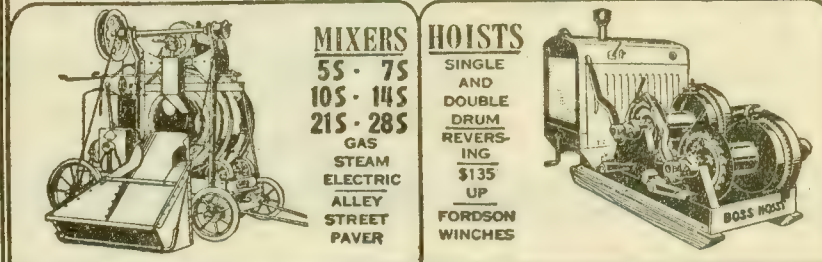
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



BRICK

BYWOOD SCHOOL

on Garrett Road in Bywood is an excellent example of true Philadelphia Colonial brickwork.

There is probably no suburban school more quaint or attractive in its adaptation of the Colonial than this latest work of

HORACE W. CASTOR, Archt.

Beauty with Economy can always be secured by specifying for face brick

EXCELSIOR ANTIQUES

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

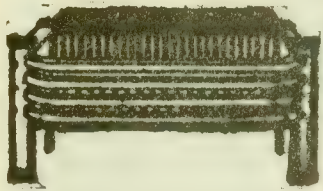
Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

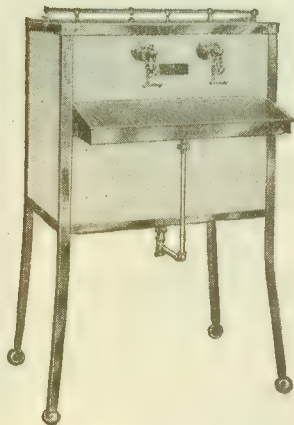


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

Everything for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street
Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 3

PHILADELPHIA
January 19, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



ANOTHER BIG BUILDING YEAR AHEAD

Annual Forecast of the Architectural Forum Indicates Prosperous Year for the Building Industry

BY C. STANLEY TAYLOR

The closing figures of the year 1926 show an astounding total national expenditure of well over \$6,000,000,000 in new building construction. Including alterations and unrecorded transactions, this total probably measures over \$7,000,000,000, thus establishing for the past year an unprecedented record of construction activity and one which probably will be unequalled for many years to come.

When the figures were tabulated for 1925, it was felt that that year had probably established a total which might never be equalled, and while the conservative forecasts for 1926 promised another six billion dollar building year, it was not conceived by anyone that this figure would be as greatly exceeded as it has been.

Similarly, it is difficult to conceive that the year 1927 will record as great a national building investment as that of 1926. All indications point to the fact that while 1927 will probably prove to be one of the great years of building history, its total investment in new building construc-

tion will be approximately 12 per cent. less than in 1926. In other words, the forecast of The Architectural Forum, based on an extensive survey as explained in following paragraphs, indicates for 1927 a total of about six billion dollars as opposed to the seven billion dollar record of 1926.

For several years past, the Architectural Forum has carried out a comprehensive survey among architects, obtaining over 2,000 confidential reports of work actually on the boards or seriously contemplated to reach the contract stage the following year. Having these actual figures in hand, it has been found possible to apply a series of ratios which have resulted each year in a fairly close approximation of actual figures ultimately recorded. Primarily, of course, this forecast deals with work carried out through architect's offices but with the exception of small residential work (houses under 10,000) and factory buildings, the bulk of the building of this country is controlled by architects. To

the figure established by new work must, of course, be added an estimate covering remodeling and alterations. This is presented in more detail in later paragraphs.

For those who wish to review and compare building activity since 1915, there is shown herewith a classification chart recording monthly totals of plans filed, contracts let and the volume of new building as measured in cubic footage. These figures are primarily based on reports of the F. W. Dodge Corporation. There is shown also an index of building cost which offers an interesting comparison with the activity during any period of the past.

In order that some detailed measure may be had of anticipated building activity during the year 1927, the architects' report received by The Architectural Forum have been correlated and weighted for presentation in the accompanying table which shows the expected activity in 19 types of buildings, allocated to six divisions of the country. This

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

JOHN DI SOPRA, Mgr.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

837 South 49th Street, Philadelphia

tabulation shows a total of \$4,856,817,500, which it is believed represents the approximate value of the new construction which will be planned and executed in 1927 through architects. In addition to this, there will be several hundred million dollars expended for small residences in rural districts, which do not come within the architect's scope of service, together with a large volume of industrial building and a considerable program of remodeling, a part of which is handled by the architect, but which is not recorded in this table. In total, therefore, the forecast for 1927 exceeds six billion dollars.

It is quite probable that a considerable part of the decrease in building activity in 1927 as compared to 1926 will be found in the cutting down of cheap speculative building. From important mortgage money sources it is learned that the constantly growing tendency is to discourage flimsy construction, and the supervision of specifications has been developed to a considerable degree of efficiency as compared to the poor methods of control exercised in past years.

Of course, one of the principal reasons for the great volume of building activity during 1926, and as anticipated for 1927, is the desire of the public for better housing of all kinds and for a more modern and attractive environment in which to carry on commercial and institutional functions. We must also take into consideration the rapid establishment of new residential districts (due to transportation improvements) and the growing habit of developing new business centers in the larger cities—areas where certain trades are becoming concentrated. This tendency is noteworthy not only in New York but in practically all of the larger cities in the country.

Coupled with these greatly increased standards of social and commercial housing conditions, there is the significant fact that the continued period of prosperity has placed the public in a position to pay for what it wants in the way of new buildings.

In spite of occasional comments, there appears at present no great danger of overbuilding, because, after all the building demand of this country is not primarily for space alone, but for space of a satisfactory quality. Here then we find conditions which are certainly discouraging from the viewpoint of owners of old buildings, particularly those which physically or because of local conditions are approaching the state of obsolescence.

The competition of new buildings will naturally be too great to sustain values in old structures, but it is probable that the new buildings themselves will not suffer materially except in isolated instances of a temporary satiation. In certain districts of New York, it may be said that 1926 has seen an overbuilt condition in certain types of buildings, such for instance as in the so-called "garment center" and in the office building situation in the Grand Central zone. While space competition is definitely in view in these districts, it is probable that this condition is, after all, only one of a year or two and that all of this modern manufacturing and commercial space will be readily absorbed by developing industrial and commercial needs for space.

One of the most interesting phases of any building forecast is to be found in attempting to measure the change in public demand for new buildings, both as to building types and geographical divisions of the country. The figures of The Architectural Forum's forecast have been carefully analyzed from this viewpoint in order that a comparison may be made with the public demand for various types of buildings as expressed in January of 1926. The following tabulation shows in detail the change in demand in 19 building types and six divisions of the country, as well as the national total.

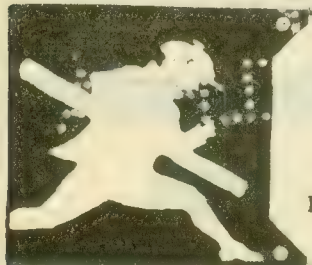
A Comparison of Public Demand for New Buildings as Shown in 1926 and 1927.

The figures given below apply to projects as reported by architects and represent the percentage of the valuation of each building type as compared with the total value of projects for the district.

UNITED STATES

Type of Building	Requirements for New Buildings by Percentage		
	1926	1927	Chge.
Automotive	2.7	2.8	.1
Banks	3.3	3.3	
Apartments	10.8	12.5	1.7
Apartment Hotels	3.4	4.3	.9
Clubs, Fraternal, etc....	4.6	4.3	-.3
Community & Memorial	2.7	2.	-.7
Churches	5.1	6.5	1.4
Dwellings (under \$20,000)	4.1	2.4	-1.7
Dwellings (\$20,000 to (\$50,000)	2.3	2.4	.1
Dwellings (above \$50,000)	1.5	1.9	.4
Hotels	10.5	6.9	-3.6

(Continued on page 44)



Good Work

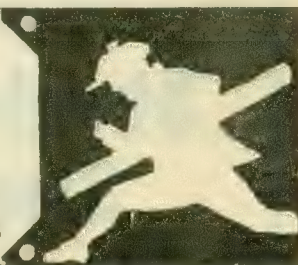
Quick Service

BLUE PRINT SHOP

Bell Phone 7
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Club House, Northwest Corner Eighteenth and Parkway, Philadelphia. Architects, Delano and Aldrich, 126 East Thirty-eighth street, New York. Owners, The Philadelphia Club, care of S. Pemberton Hutchinson, president, Thirteenth and Walnut streets, Philadelphia. Stone, steel, marble, 4 stories, 40x100 feet. Tentative plans in progress.

Store and Apartment, 5019 Baltimore avenue, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Harry Warnick, 5044 Baltimore avenue, Philadelphia. Brick, 3 stories, 15x65 feet. Plans in progress.

Fox Chase Branch, 7900 Oxford pike, Philadelphia. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Oak Lane Trust Co., Broad and York road, Philadelphia. Brick, limestone, 2 stories, irregular in size, hot water heat, electric light, tile work, slag roof, hardwood floors, bronze work. Plans in progress.

Theatre (alts. and add.), 4910 North Broad street, Philadelphia. Owners, Magaziner, Eberhard & Harris, 608 Chestnut street, Philadelphia. Interior and exterior alterations. Preliminary plans in progress.

Factory Building, Frankford, Philadelphia. Architect, Christian H. Fries, Drexel Building, Philadelphia. Owner, name withheld. Brick, steel, slow burning, 2 stories, 120x175 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, hollow metal doors, skylights, reinforced concrete, plumbing, sprinkler system. Plans in progress.

Apartment House (add.), 1905 Walnut street, Philadelphia. Architect, Ralph Beneker, Bellvue Court Building, Philadelphia. Owners, Rittenhouse Plaza, Nineteenth and Walnut streets, Philadelphia. Brick, limestone, steel, concrete, 3 stories, 19x120 feet. Plans about completed. Architect will take bids in a week.

Residence (alts. and add.), 2338 East Dauphin street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, stucco, 3 stories, 17x80 feet, hardwood floors, porch add., hot water heat, oil burning, electric light, tilework, general interior alterations, carpentry and mill work. Plans about completed. Architect will be ready for bids in a week.

Apartment Building, Southwest Corner Rockland and Carlisle streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Wolfman & Kravitz, 510 Bulletin Building, Philadelphia. Brick, steel, 3 stories and basement, 36x88 feet, 12 apartments, slag roof, hardwood floors, Murphy door beds, hot water heat, electric light, tile work, fire and kalamein doors, incinerators.

Owners taking sub-bids. Work to start March 1st.

Apartment House (alts.), Northeast Corner Fifteenth and Master streets, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, H. Shifren, 2917 South Aiken street, Philadelphia. General alterations, electric light, carpentry, plastering, plumbing, painting and glazing. Owner taking sub-bids.

Stores and Offices (alts.), 2030 Chestnut street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, 2030 Chestnut Street Realty Co., care of architect. Steam heat, electric light, plumbing, painting and glazing, concrete and cement work, limestone, carpentry and mill work, metal lath, tile work, brick work, travertine work, hardware, iron work. Architect taking bids due January 20th.

Residence and Garages (2), Graver's lane, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, Dwight Harris & Joseph Henderson, care of architect. Stone, 2½ stories, irregular, hot water heat, electric light, wood shingle roof, hardwood floors, cement work, tile work. Architect taking bids due as soon as possible.

Shop (alts. and add.), 1523 Poplar street, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, G. J. Kreire, on premises. General alterations, brick, 2 stories, cement floors, electric light, steel sash, carpentry and mill work, painting, glazing, plumbing. Architect taking bids due January 20th.

Building (alts.), 402 South Water street, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owners, Infante Brothers, on premises. Hardware, fire doors, slag roof, rolled steel sash, concrete work, painting and glazing, plumbing, carpentry. Owners taking bids due as soon as possible.

Stores and Two-Family Apartments, Southeast Corner Germantown and Hortter street, Philadelphia. Architects, Lippincott & Schaeff, 11 South Sixteenth street, Philadelphia. Owner, Charles Halpern, care of architect. Brick, stone, steel, cast stone, stucco, 2 stories and basement, irregular in size, slag roof, cement, oak and pine floors, plumbing, vapor heat, electric light, tile and marble work, bond, ornamental iron work, plumbing, treadlite floors, composition floors, linoleum floors, gas ranges. Architects taking bids due January 20th.

Attendants' Building, Nurses' Home, Byberry, Pa. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Bureau of Hospitals, Department of Public Health, 584 City Hall. Construction, heating, electric light, plumbing. Owners taking bids due February 1st at noon.

Garage, 5023-25-27 North Sixteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, William Freiling, 2553 North Fifth street, Philadelphia. Brick, 1 story, 20x60 feet, slag roof, cement floors, electric light. Permit issued.

Sub-Station, Southeast Corner Rising Sun avenue and Knorr street, Philadelphia, \$7,000. Architect, private plans. Owners, Philadelphia Rapid Transit Co., 820 Dauphin street, Philadelphia. Brick, 1 story, 26x30 feet. Permit issued.

Contract No. 139, equipment, Broad Street Subway. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Certified check, 5 per cent. Deposit, \$50, refunded. Owners taking bids due January 21st at noon for door operation equipment.

Contract No. 17, structural metal work, material for repairs to bridges. Contract No. 18, frogs, switches, crossing and cross-overs, switch points. Pennsylvania Railroad, Mr. C. E. Walsh, Seventeenth and Filbert streets, purchasing agent, taking bids due January 25th at noon.

Miscellaneous Work. Owners, Whitmarsh Township Board of Education, M. Wesley Detwiler, Lafayette Hill, Pa. Laying approximately 150 feet 2-inch brass pipe of iron pipe size and to be placed 3½ feet underground. Owners taking bids due January 31st, 8 P. M.

Supplies, Philadelphia. Owners, Department of Wharves, Docks and Ferries, Pier No. 4, South, Philadelphia. Owners taking bids due January 24th at noon. A—Emergency repairs to the floating plant of Department of Wharves, Docks and Ferries. C—Furnish and deliver 100 lengths 18-inch shore pipe, 18 feet long, ¼ inch thick, and one 18-inch 60 flange turn, ¼ inch thick. Certified check 5 per cent of bid.

Alterations and Additions, York Road and Germantown Ave., Phila. Architect, Samuel Abramson, 2313 Walnut St., Phila. Owner, Guaranty Loan Co., on premises. Carpentry and millwork, plastering, painting, glazing, hardware, electric work. Architect taking bids due Jan. 28th.

Building, Allegheny Ave. and Tulip St., Phila. Architect, Edwin Yeo, 225 S. Snyderham St., Phila. Owner, Northeast Hospital, on premises. 3rd floor addition, carpentry and millwork, electric work. Architect taking bids due Jan. 21st.

Ellery K. Taylor, architect, announces the removal of his office to the sixteenth floor, 1429 Walnut street, Philadelphia.

Penwood Company, architects, have opened new offices in the City Center Building, Philadelphia.

I make it a rule never to write a grouchy letter—I telephone.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

50% REDUCTION ON SCALES

FOR DRAUGHTSMEN

White Edge and Plain Boxwood—While They Last

Also Large Assortment of High Grade Swiss and German DRAWING INSTRUMENTS AT GREAT REDUCTIONS

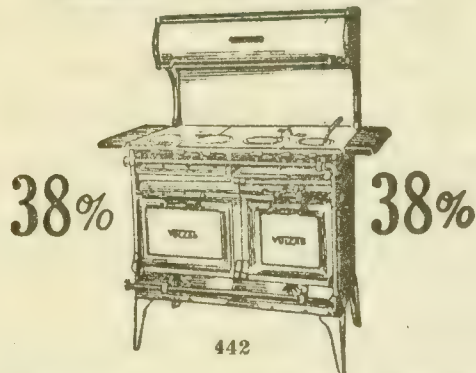
Come Early While Choice Is Good—Everything for the Draughting Room

J. H. WEIL & COMPANY

Established 30 years

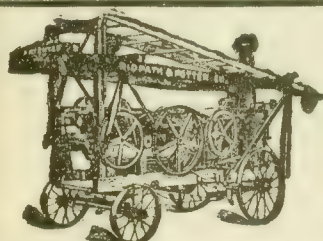
1317 Cherry Street, Philadelphia

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



38% WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

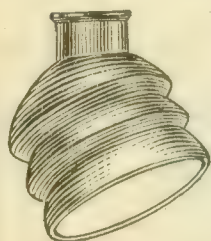


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

New Junior High School, Eighteenth and Cheltenham avenue, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contract awarded McCloskey Co., 1620 Thompson street, Philadelphia, \$998,417. Heating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$86,897. Plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$41,868. Ventilating, Thompson Brothers, 520 Buttonwood street, Philadelphia, \$8,989. Electric, Walker & Kepler, 530 Chestnut street, Philadelphia, \$50,163.

Maternity Building, Twelfth and Tabor road, Philadelphia, \$700,000. Architect, Horace Castor, Stephen Girard Building, Philadelphia. Owners, Jewish Hospital, on premises. Brick, cut stone, granite, limestone, 7 stories and basement, 202x46 feet, administration building, 3 stories, 94x45 feet, promenade tile roof, cement floors, hollow tile, elevators, plumbing, roof ventilators, metal weather strip, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, acoustical treatment, mail chute, steel partitions, electric light, metal lath, brass work, steam heat, tile work, marble and terrazzo work, rolled steel sash and skylights, hollow metal sash, kalamein doors, ornamental iron work. Contract awarded Cramp & Co., Denekla Building, Philadelphia.

Levering Theatre Building, Ridge and Leverington avenues, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Felt Brothers, Packard Building, Philadelphia. Brick, steel, cast stone, marble and granite base, stores (9), 1 and 2 stories, 144x78 feet, gypsum slag roof, cement and marble, composition and terrazzo floors, seating capacity 1170, ornamental plaster, ornamental iron work, brass rails, metal bulks, plate glass, fire and kalamein doors (heating, electric and ventilating and plumbing reserved). Contract awarded George Kessler Cont. Co., 1733 North Marvine street, Philadelphia.

Residence (alts. and add.), Oak Lane, Pa. \$25,600. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, Dr. A. L. Fellman, 2356 North Front street, Philadelphia. Stone, 2 stories add., 51x59 feet, carpentry, mill work, metal lath, electric light,

plastering, painting, glazing, hardware, metal lath, plumbing, ornamental iron, garage, 1 story, 17x20 feet. Contract awarded to H. J. Rile, North Wales, Pa.

Washington Sub-Station, Twenty-fourth and Washington avenue, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, steel, cut stone, 1 story and basement, 144x62 feet, slag roof, cement floors, plumbing, waterproofing, metal lath, marble work, rolled steel skylights, bond, ornamental iron work. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Alterations and Additions, 2045 Locust street, Philadelphia. Architect, Spencer Roberts, 10 South Eighteenth street, Philadelphia. Owners, Park, Monson & Green, 2045 Locust street, Philadelphia. Brick, carpentry and mill work, tile work, oak floors, metal lath, plumbing, iron work (plumbing, heating and electric reserved). Contract awarded Thomas C. Trafford, 2335 North Fifteenth street, Philadelphia.

Alterations and Additions, 132 South Eighteenth street, Philadelphia. Architect, Ralph Goldberg, 1626 Chestnut street, Philadelphia. Owners, Ernest & Molden, on premises. Steam heat, electric light, metal lath, tile and marble work, gypsum slag roof, electric, rubber floors, oak floors, carpentry and mill work, plastering, craftex bronze work. Contract awarded A. V. Gilchrist, Drexel Building, Philadelphia.

Office (alts.), Thirty-first and Chestnut streets, Philadelphia. Architect, W. H. Timm, Perry Building, Philadelphia. Owners, Abbott's Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Sheet metal work, brick work, mill work, plastering, carpentry, painting, glazing, steam heat, electric work, iron work. Contract awarded F. B. Davis & Son, 240 North Sixteenth street, Philadelphia.

Residence (remodeling), 602 Spruce street, Philadelphia. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, Julius Wolfson, care of architect. Brick, steel, 2 and 1 stories and basement, 36x11 feet, garage, 15x22 feet, hot water heat (electric work reserved), slag roof, cement and oak floors, brownstone, plumbing, ornamental iron

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

work. Contract awarded David Sloan, 4763 North Eighth street, Philadelphia.

Garage, Leiper street, Frankford, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Stanley Const. Co., care of Levin & Soffian, Lincoln Building, Philadelphia. Brick, steel, 1 story, 80x240 feet, slag roof, concrete floors, electric light. Contract awarded H. G. Walters Co., 412 North Fortieth street, Philadelphia.

Residence and Store (alts.), Southwest Corner Sixty-second and Buist avenue, \$2,500. Architect, private plans. Owner, J. F. Forman, 1017 South Second street, Philadelphia. General alterations. Contract awarded to Sam Wolski, 401 Dickinson street, Philadelphia.

Residence and Store (alts.), 510 South Fifth street, Philadelphia, \$2,100. Architect, private plans. Owner, H. Melikowicz, 3008 North Seventh street, Philadelphia. General alterations. Contract awarded to Harry Goldstein, 417 Lombard street, Philadelphia.

Building (add. and alts.), 2921 Girard avenue, Philadelphia, \$2,100. Architect, private plans. Owner, J. McKeown, 1220 North Twenty-seventh street, Philadelphia. Brick, 1 story add., 13x8 feet 6 inches, general alterations. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street, Philadelphia.

Sign on Storage Building, South side Oregon avenue, West of Delaware avenue, Philadelphia, \$7,000. Owners, Baltimore & Ohio Railroad, Twenty-fourth and Chestnut streets, Philadelphia. Contract awarded to Federal Elec. Co., Inc., 263 South Thirteenth street, Philadelphia.

Building (repairs), Northwest Corner Longshore and Edmund streets, Philadelphia, \$5,000. Architect, private plans. Owner, William C. Burkholder, 4907 Longshore street, Philadelphia. General fire repairs. Contract awarded to Louis Laib, 6638 Torresdale avenue, Philadelphia.

Abattoir (alts.), 3600 North Front street, Philadelphia, \$4,000. Architect, private plans. Owners, Duffy Brothers, Inc., on premises. General alterations. Contract awarded to Wintz Bros., Inc., 1618 Sellers street, Philadelphia.

Cleaning and Dyeing Shop (add.), 111 Queen street, Philadelphia, \$2,000. Architect, private plans. Owner, S. Polsten, on premises. Brick, 1 story add., 30x20 feet. Contract awarded to H. Kleeman, 2407 South Marshall street, Philadelphia.

Residence (add. and alts.) and Garage, 5300 North Front street, Philadelphia, \$6,000 total. Architect, private plans. Owner, M. F. Dussinger, 625 East Hilton street, Philadelphia. Brick, 1 story, 10x15 feet, general alterations, garage, brick, 1 story, 20x50 feet. Contract awarded to L. Adrian, Narberth, Pa.

Service and Show Room, North side Vengano street, East of Kensington avenue, Philadelphia, \$40,000. Architect, private plans. Owner, H. M. Satz, Drexel Building, Philadelphia. Brick, 2 stories, 50x150 feet, slag roof, cement floors, electric work. Contract awarded to N. G. Mack, 5934 Baltimore avenue, Philadelphia.

Candy Factory (repairs), 124-32 Pegg street, Philadelphia, \$27,500. Architect, private plans. Owner, P. H. Wunderle, 118 Pegg street, Philadelphia. General restoration and repairs. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

Printing House, S. S. Buttonwood, E. of Broad St., Phila. Architect, private plans.

Owner, Phila. Inquirer, Broad and Callowhill Sts., Phila. Brick, steel, 4 stories and basement, 110x115 feet, slag roof, cement floors, steam heat, electric light, metal lath, rolled steel sash. Contract awarded Roydhouse Arey Co., 112 N. Broad St., Phila., who are taking sub-bids.

Storage Building, N. E. Cor. Water and Ritner Sts., Phila., \$50,000. Architect, L. A. Zernick, 1139 N. Front St., Phila. Owners, Wolf St. Terminal Co., Wolf and Water Sts., Phila. Brick, 2 stories, 100x160 feet. Contract awarded to Robbins Const. Co., 1137 N. Front St., Phila.

Apartment House (add. and alts.), 3147 Diamond St., Phila., \$5,000. Architect, private plans. Owner, Mrs. Miller, on premises. Brick, 2 stories addition, 13x4 feet, general alterations. Contract awarded to Ideal Const. Co., 4444 N. 16th St., Phila.

Pennsylvania Construction News

Stores and Residences (2), 18 and 21 Chester Pike, Collingdale, Pa. Architect, M. A. Bernhart, 127 S. 10th St., Phila. Owner, Kain Ellis, care of architect. Brick, structural steel, plaster, cement work, painting, mill-work, slag roof, electric light, stair work, marble work, metal ceilings. Architect taking bids due Jan. 24th at noon.

Dormitory, Huntingdon, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Juniata College, Huntingdon, Pa. Brick, stone, 3 stories. Sketches in progress.

High School, Pottsville, Pa., \$650,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, School Board of Pottsville, R. A. Reid, secretary, Pottsville. Fireproof. Architects selected.

Apartment and Store, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph B Building, Harrisburg, Pa. Owner, name withheld. Brick, cinder block and stucco, 4 stories, 60x70 feet, slate roof, hardwood floors, vapor heat, electric light, tile work, steel sash, iron stairs. Plans in progress.

School Gymnasium, Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, Bethlehem Steel Co., Steelton, Pa. Fireproof, 1 story, 216x60 feet, built-up roof, concrete and maple floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, steel skylights and sash, tile and marble.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also **KITCHEN CABINETS,**
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet iron
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

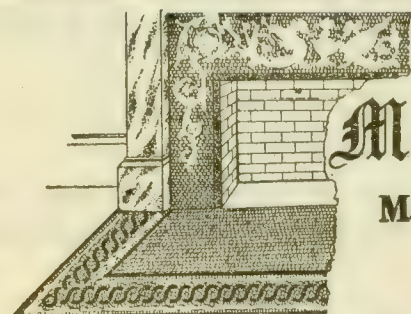
Be
19 W

THERE IS ONLY ONE IN-A-
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

112 North 7th Street CAMDEN, N. J. Camden 5766 W



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Home. The firms
recognized Standard a
Services. Avail your
Write for Literature.



ALBERT F. SCHENCK
ARCHITECT

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

TRUSCON

Protects Concrete

Regulates the set, and eliminates uncerta
of cement floor finish. Furnished in crys
the job. This results in economy. For fur

**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



BEDS

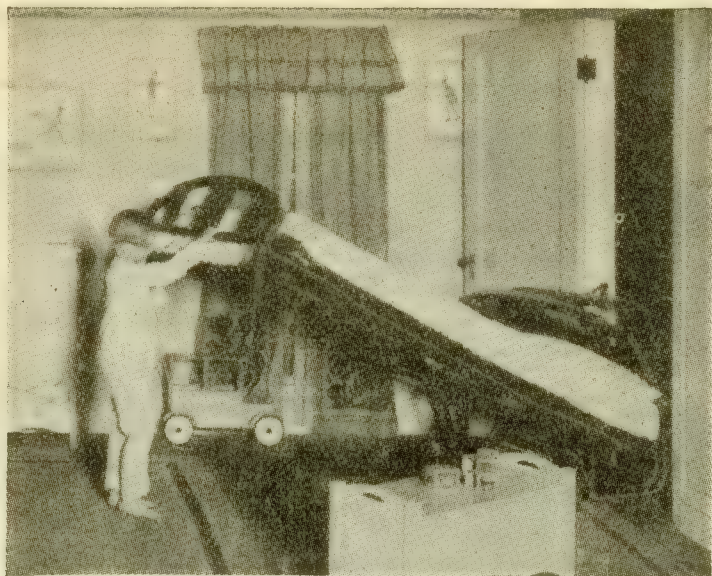
mes
ings

call at our
in kitchen
boards as
beds

CO.

y Building
44th Street
v York

BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



Instead of Leaky Shower Bath Curtains **LEHMAN SPRAYSHIELDS**

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation.

Designed Right **L. H. LEHMAN** *"Don't Bathe*
Priced Right 1210 North 8th Street *In a Tent"*
PHILADELPHIA

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

EMPERITE

om Freezing

as to time for first trowelling
orm, all water being added at
nformation, ask

e Truscon
boratories



Phila. Office :
1505 Race Street

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

Architectural Cast Cut Stone Company

GRANITE
LIMESTONE
GRAYSTONE
Any Color desired

Office and Factory
344 Haddon Avenue
WESTMONT, N. J.

U. A. GASPARRI, General Mgr.

Bell, Collingswood 1788

MITCHELL BROS. Carpenters, Builders and Contractors 2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

TRIDENT WATER METERS

For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building
Philadelphia

Lombard 4900

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO. BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

metal lath (heating, plumbing and electric separate). Plans in progress.

Schools (2) (alts.), Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, Bethlehem Steel Co., Steelton, Pa. Partitions, general alterations, metal lath, laboratory equipment, school equipment. Plans in progress.

Store and Office Building (alts.), 27 North Sixth street, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, Alexander Kagen, 641 Penn street, Reading, Pa. Alterations to 3-story building, maple floors, electric light, plate glass, copper work. Plans in progress.

Rectory, Allentown, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Church of Sts. Peter and Paul, Reading, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Brick, 2½ stories, 30x37 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Drug Store (add.), Collegeville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, O. C. Winkler, Main and Fifth streets, Collegeville, Pa. Frame and stucco, 2 stories, 18x40 feet, tin roof, tile and yellow pine floors, dampproofing, plate glass, wood sash, metal lath and Celotex (heating, plumbing and electric work reserved). Plans in progress.

Stores and Apartments (4), Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Julius Neumony, South Main street, Phoenixville, Pa. Brick, cement block, 2 stories and basement, 18x44 feet, tin roof, maple and yellow pine floors, dampproofing, steel and wood sash heating, plumbing and electrical work reserved). Plans in progress.

Bank and Office, Carbondale, Pa. Architects, Tilghman-Moyer Co., 141 East Ninth street, Allentown, Pa. Owners, First National Bank, R. A. Jadwin, president, 16 South Main street, Carbondale, Pa. Brick, stone, steel, 5 stories. Plans in progress.

Theatre, Drexel Hill, Pa., \$500,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co. of America, J. J. McGuirk, Nineteenth and Race streets. Theatre located at Burmont road, Philadelphia and Garrettsford Street Railroad. Stone, seating capacity 200,000. Will start work early in spring, 1927.

School, Horsham, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, Horsham, Pa. Revised plans will be ready for bidders January 23rd. Bids due February 4th.

Church, School Building, Philipsburg, Pa. Architects, Bureau of Architects, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Trinity Methodist Episcopal Church, Philipsburg, Pa. Stone, brick, cut stone, steel, 3 stories and basement, 115x68 feet, built-up and asbestos shingle roof, composition, maple and cement floors, plumbing, integral waterproofing, vapor heat, electric light, metal lath, hollow metal sash, kalamein doors, bond, ornamental iron work, floor hardener, steel partitions, steel vault doors, cast stone, flagstone, bluestone, area gratings. Architects taking bids due January 24th.

Mill Building No. 7 (add.), Bridgeport, Pa.

Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, James Lees & Sons Co., Bridgeport, Pa. Reinforced concrete, brick, 4 stories and basement, 20x80 feet, slag roof, cement floors, bond, ornamental iron work, rolled steel sash. Equipment reserved by owners. Architects taking bids due January 25th, 11 A. M.

Church and Community House, Bywood, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Mary C. Sellers Memorial, Methodist Episcopal Church, Bywood, Pa. Stone, cut stone, steel, 2½ stories and basement, 56x80 feet, slate roof, oak, maple and cement floors, metal lath, tile work, rolled steel sash, bond, ornamental iron work, artificial stone. Architect taking bids due at his office February 1st, 5 P. M. sharp.

Residence, Wynnewood, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Fred Peirce, Esq., on premises. Stone, steel, 2½ stories and basement, 45x105 feet, slate roof, oak and pine floors, metal lath, tile work, ornamental iron work, bond. Architects taking bids due January 20th.

Residence and Garage, Elkins Park, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Louis A. Hirsch, Elkins Park, Pa. Stone, cut stone, steel, 2½ stories and basement (plumbing, heating, electric and tile reserved), slate roof, oak and pine floors, metal lath, bond, ornamental iron work, flagstone, incinerator. Architects taking bids due January 24th.

Residence, Lakeside road, Ardmore, Pa. Architects, Thomas, Martin and Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, J. Clifford Shawde, care of architects. Stone, brick, cinder block, stucco, 2½ stories and basement, 43x42 feet, shingle roof, oak and pine and cement floors, metal lath, tile work, rolled steel sash, ornamental iron work, treadlite and linoleum floors, flagstone, bluestone, slate, bronze ventilator. Architects taking bids due January 21st.

Church (add.), Stoney Creek Mills, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owners, Bethany Union Sunday School, Charles Erb, Reading, Pa. Stone, 1 story add., 50x73 feet, Johns Manville roof, cement and wood floors, steam heat, electric light. Architect taking bids due January 21st.

School, Schuylkill Haven, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Ambrose's Roman Catholic Church, Rev. A. B. Caine, Schuylkill Haven, Pa. Brick, steel, 2 stories, 60x80 feet, 12x20 feet, composition roof, pine floors, safety treads, roof ventilators, iron stairs, bond (heating, plumbing and electric reserved), metal lath. Architect taking bids.

High School, Hughesville, Pa., \$100,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hughesville School Board, Charles Grittner, secretary, Hughesville, Pa. Semi-fireproof, steel, 2 stories, 150x80 feet, built-up roof, pine floors, safety treads, roof ventilators, shoring, steel skylights, tile work, metal lath (heating, plumbing, electric separate). Owners ready for bids.

Concrete Viaduct, Reading, Pa. Owners, City of Reading, Jacob H. McConnell, superintendent, Office of City Clerk, Reading, Pa. Engineer, E. Clinton Weber, City Engineer, City Hall, Reading, Pa. Reinforced arch, Mineral Spring Road Viaduct, 900 feet long, 70 feet wide, 5 major and 9 minor spans on curved alignment. Owners taking bids due February 2nd at 10 A. M. Deposit, \$25, refunded. Certified check, 10 per cent. Bond.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harris-

burg, Pa. Low bidders on work received January 7th.

McKean County, R-469, A-4349, 4291, 4374, one course reinforced concrete. Fred D. Ross, Bradford, Pa., \$353,511.

Monroe County, R-167-4, Smithfield and Middle Smithfield Townships. One course reinforced concrete. B. G. Coon Const. Co., Luzerne, Pa., \$104,842.73.

Pennsylvania Contracts Awarded

Hospital, Eglesville, Pa. Architects, Simon & Simon, 249 S. Juniper St., Philadelphia. Owner, Eaglesville Sanitarium, on premises. Brick, cut stone, steel, stone, 4 stories and basement, 217x54 feet, wing 43x54 feet, slag roof, cement floors, elevators, safety treads, plumbing, metal weatherstrip, ornamental iron work, bond kalamein doors, rolled steel sash, skylights, tile, marble and terrazzo work, metal lath, steam heat, electric light, bluestone, waterproofing, rolled steel door, partitions, linoleum floors, lead and cork insulation. Contract awarded to F. V. Warren Co., 1913 Arch St., Phila.

Bank Building, Stores, Montgomery avenue and Anderson avenue, Ardmore, Pa. Architects, Dreher and Churchman, Otis Building, Philadelphia. Owners, Counties Title & Trust Co., Ardmore, Pa. Brick, limestone, steel, 2 stories and basement, 80x37 feet, 1 story stores, 40x60 feet, slag roof, rubber tile and cement floors, vapor heat, electric light, metal lath, tile and marble work, rolled steel sash, ornamental iron work, iron stairs, ornamental bronze. Contract awarded A. L. Fretz, Heed Building, Philadelphia.

Garage, Lansdowne, Pa. Architect, private plans. Owners, Gallagher Brothers, care of J. F. Gallagher, Chester, Pa. Brick, steel, 1 story, 150x44 feet, slag roof, cement floors, plumbing, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded Farrell Roth Const. Co., Twenty-first and Walnut streets, Philadelphia.

Grade School No. 8, Scranton, Pa. Architect, A. P. Coon, Union Bank Building, Scranton, Pa. Owners, Scranton Board of School Control, 425 Washington avenue, Scranton, Pa. Contract awarded to Alaimo Brothers, Pittston, Pa., \$116,895. Electric to Armbruster Co., Scranton, Pa., \$5,598. Plumbing to H. M. Gardner, Scranton, Pa., \$5,333. Heating and ventilating to P. T. & M. T. Howley, Scranton, Pa., \$27,000.

Robert Morris Grade School, No. 27, Scranton, Pa. Architect, A. P. Coon, Union Bank Building, Scranton, Pa. Owners, Scranton Board of School Control, Scranton, Pa. Contract awarded to J. J. Gibbons, Avoca, Pa., \$60,172. Electric to Eiden's Electrical Shop,

Scranton, Pa., \$6,407. Plumbing to H. M. Gardner, Scranton, Pa., \$4,126. Heating and ventilating to P. F. & M. T. Howley, Scranton, Pa., \$30,450.

Y. M. C. A. Building, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Y. M. C. A., care of architect. Fireproof, 4 stories, 69x60 feet, built-up roof, hardwood floors, hollow tile, roof ventilators, ornamental iron, iron stairs, tile and marble, metal lath, steam heat, electric light. Contract awarded to B. F. Hull, 427 East Orange street, Lancaster, Pa.

New Jersey Construction News

Department Store, Starr and Entrance road, Camden, N. J., \$750,000. Owners, Sears-Roe-buck, Mr. L. J. Rosenwold, general manager, Boulevard, Philadelphia. Site, 2½ acres. Work contemplated.

Vocational School, site not selected, Pensauken Township, N. J. Owners, Board of Freeholders, Pensauken Township, Camden, N. J. Work contemplated.

Railroad Terminal, Baltic avenue, North of Arctic avenue, Atlantic City, N. J. Owners, Pennsylvania Railroad, Elisha Lee, vice-president, Broad Street Station, Philadelphia. Work contemplated.

Church, London and Beethoven avenues, Egg Harbor, N. J., \$200,000. Architect, not yet selected. Owners, St. John's Reformed Congregation, Rev. A. H. Elshoff, Egg Harbor, N. J. Work contemplated in year of 1928.

Club House, Margate City, N. J., \$2,000,000. Architects, Zantinger, Borie & Medary, Otis Building, Philadelphia. Owners, Atlantic City Beach Club, Atlantic County Trust Building, Atlantic City, N. J., and 326 Penfield Building, Philadelphia. Stone, reinforced concrete, brick, 15 stories, 300x100 feet. Preliminary plans in progress.

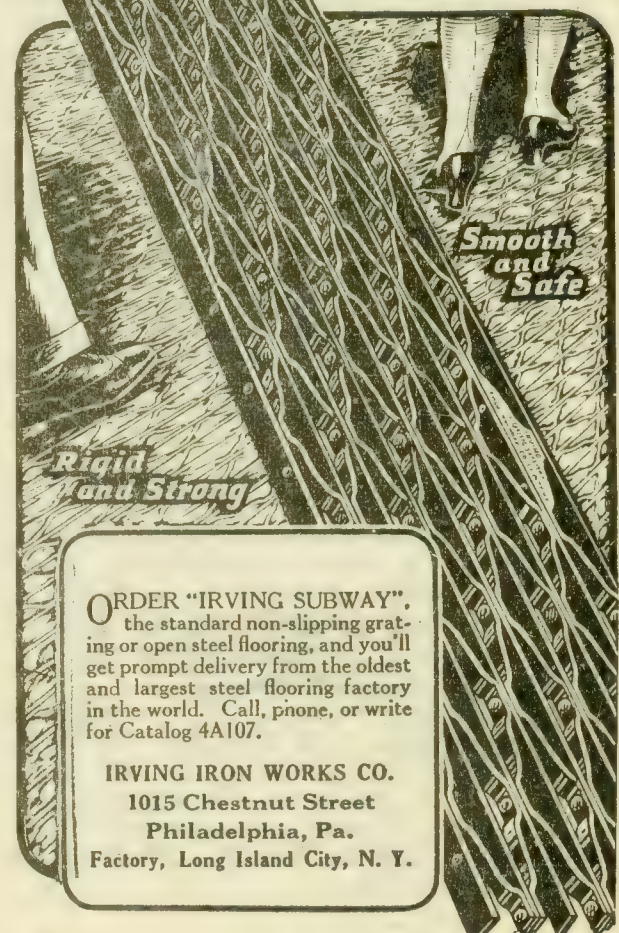
Court House (finishing basement), Trenton, N. J., \$45,000. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Mercer County Board of Chosen Freeholders, Court House, Trenton, N. J. Plumbing, heating, terrazzo and woodoleum floors. Plans in progress.

Recreation and Assembly Building and Vocational, Industrial and School Building, North Jersey School for Feeble Minded, Totowa, N. J. Architects, Division of Architecture and Construction, Charles N. Leathem, Director, Trenton, N. J. Owners, Department of Institutions and Agencies, William J. El-

lis, Commissioner, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, limestone, slate roof, maple and cement floors, roof ventilators, shoring, integral and membrane waterproofing, dampproofing, ornamental iron, iron stairs, bond, kalamein doors, tile and marble, metal lath (plumbing, heating and electric separate), Parlock plaster board, slate treads, mastic floors, recreation building, 1 story, balcony and basement, 146x100 feet, vocational building, 2 stories and basement, 65x89 feet. Certified check, 5 per cent. Owners taking bids due January 21st at 1.30 P. M.

Barracks Buildings (4), Fort Monmouth, N. J. Owners, Constructing Quartermaster, Fort

*Always-When You Need
Gratings —*



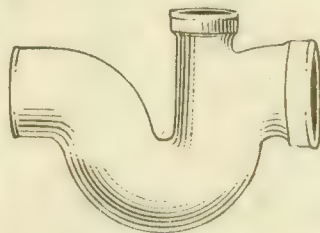
ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
FLOORING

EXPERT BLASTING

J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W



When you want Prompt Service, Intelligent Co-operation and Reliable

SEWER PIPE, FLUE LINING, WALL COPING

CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Monmouth, N. J. General construction, plumbing, heating, electric. Owners taking bids due January 27th, 11 A. M. Deposit, \$25.

Theatre, Stores and Offices, White Horse pike, Oaklyn, N. J. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, William Butler & Son, Oaklyn, N. J. Brick, stone, slag roof, cement floors, hot air heat, electric light, tile work. Architects taking bids due January 24th.

Residence, Morris Heights, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Oscar Davison, Hamilton and Anderson streets, Trenton, N. J. Cinder block and stucco, 2 stories, 33x45 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Architects taking bids.

Fire House, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Borough of Hightstown, Hightstown, N. J. Stone, cinder block, steel, 2 stories, 60x110 feet, slate roof, concrete and linoleum floors, hollow tile, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, fire doors, steel sash and skylights, tile work, metal lath. Owners will be ready for bids February 1st.

Apartment Building and Store, Merchantville, N. J. Architects, Edwards & Green, Camden, N. J. Owner, Donald W. Black, Camden, N. J. Brick, hollow tile, 3 stories and basement, will contain 4 stories and 44 apartments, electric light, hardwood and composition floors, tile and marble work, metal bulks, plate glass. Plans completed. Architect will be ready for general bids in one week.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Section 3, Route 1 Extension, Jersey City, N. J. Contract No. 5, construction of covered cut and bridges. Lowest bidder: Montrose Const. Co., Grand Central Terminal Building, New York, \$3,244,951.

Bank Building, Vineland, N. J. Architect, Ernest F. Strassle, 6 E. 46th St., New York. Owners, Tradesmen's Bank, H. G. Walls, Cashier, 628 Landis Ave., Vineland, N. J. Stone, 1 and 2 stories and basement. Plans in progress. Architect will be ready for bids about February 15th.

New Jersey

Contracts Awarded

Garage, 104-06-08-10 North Williams street, Trenton, N. J., \$12,000. Architect, private plans. Owner, William A. Weinmann, 25 Richey Place, Trenton, N. J. Brick, 1 story, 70x65 feet, slag roof, concrete floors, electric work. Contract awarded to Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Miscellaneous Construction News

Laundry, Garage and Central Heating Plant, Frederick, Md. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Hood College, Dr. J. H. Appel, Frederick, Md. Fireproof, 1 story, 55x140 feet, composition roof, concrete floors, gypsum block, roof ventilators, tile work, cast stone, electric light, steel sash and skylights, fire doors. Architect and owners taking bids.

Garage, Marine Terminal, Wilmington, Del., \$2,500. Architect, private plans. Owners, Eternit, Inc., Fifteenth and Locust streets,

Philadelphia. Steel, 1 story, 24x36 feet, slag roof, concrete floors, electric light. Permit issued.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids due February 2nd at 2 P. M. Check, 10 per cent. Deposit, \$2.00.

Contract 76, Rogers Corner, South Wilmington Limits, widening 0.633 miles. Excavation, borrow, broken stone base course, cement concrete pavement, transverse expansion joint, amiesite, concrete, reinforcement, corrugated metal pipe.

Contract 77, Dover-Cheswold, widening, 3.87 miles. Excavation, cement concrete pavement, transverse expansion joint.

Contract 78, Armstrong's Corner-Blackbird, widening, 3.22 miles. Excavation, cement concrete pavement, transverse expansion joint, Class A concrete gutter.

Miscellaneous Contracts Awarded

Church and School, Fourth street and Grant avenue, Wilmington, Del. Architects, Gleeson, Mulronee & Burke, 404 South Broad street, Philadelphia. Owners, St. Thomas' Roman Catholic Church, Rev. Lynch, Wilmington, Del. Stone, granite, cut stone, steel, 1 story gallery and basement, 135x76 feet (plumbing, heating, electric reserved), slate and slag roof, maple floors, hollow tile, metal lath, tile and marble work, metal window guards, metal weather strip, shoring, waterproofing, bond, cast stone, floor hardener, ornamental iron work, limestone, linoleum area gratings, imitation stone. Contract awarded J. E. Healy, & Son, 707 Tatnall St., Wil., Del., \$158,000.

Store, 6 and 8 West Fourth street, Wilmington, Del., \$31,500. Architect, private plans. Owners, Fourth Street Improvement Co., on premises. Brick, steel, 2 stories, 39x100 feet, slag roof, maple floors, steam heat, electric light, plate glass, copper work. Contract awarded to J. H. Hutchinson, Newark, Del.

Apartment (alts. and add.), 210 West Seventeenth street, Wilmington, Del., \$2,575. Architect, private plans. Owner, D. L. Gabke, 210 West Seventeenth street, Wilmington, Del. Brick, 2 stories add., general interior alterations. Contract awarded to M. W. Boyce, 310 North Broome street, Wilmington, Del.

(Continued from page 36)

Hospitals	5.5	5.6	.1
Industrial	8.7	7.3	-1.4
Office Buildings	11.9	12.7	.8
Public Buildings	4.	5.6	1.6
Schools	12.4	11.7	-.7
Stores	2.2	2.2	
Theatres	3.1	3.9	.8
Welfare, Y.M.C.A., etc.	1.2	1.7	.5

NORTHEASTERN STATES

Requirements for
New Buildings
by Percentage

Type of Building	1926	1927	Chge.
Automotive	5.4	2.5	-2.9
Banks	4.1	4.5	.4
Apartments	5.6	6.	.4
Apartment Hotels	1.9	2.	.1
Clubs, Fraternal, etc.	3.5	3.	-.5
Community & Memorial	4.	1.1	-2.9
Churches	8.8	10.9	2.1

Dwellings (under \$20,000)	2.6	3.	.4
Dwellings (\$20,000 to \$50,000)	2.2	2.	-.2
Dwellings (over \$50,000)	1.6	2.	.4
Hotels	10.	5.6	-4.4
Hospitals	7.9	4.8	-3.1
Industrial	9.5	11.9	2.4
Office Buildings	8.6	8.9	.3
Public Buildings	4.1	8.	3.9
Schools	15.3	15.	-.3
Stores	1.9	1.4	-.5
Theatres	1.7	5.4	3.7
Welfare, Y.M.C.A., etc.	1.3	2.	.7

NORTH ATLANTIC STATES

Requirements for
New Buildings
by Percentage

Type of Building	1926	1927	Chge.
Automotive	2.1	2.1	
Banks	2.7	4.5	1.8
Apartments	16.1	18.5	2.4
Apartment Hotels	2.6	6.6	4.
Clubs, Fraternal, etc.	3.9	3.5	-.4
Community & Memorial	2.6	1.6	-1.
Churches	3.9	5.6	1.7
Dwellings (under \$20,000)	5.1	2.3	-2.8
Dwellings (\$20,000 to \$50,000)	2.4	2.2	-.2
Dwellings (over \$50,000)	1.4	1.9	.5
Hotels	6.4	5.2	-1.2
Hospitals	5.5	7.1	1.6
Industrial	12.2	7.5	-4.7
Office Buildings	11.8	10.9	-.9
Public Buildings	3.9	5.7	1.8
Schools	12.5	8.1	-4.4
Stores	1.9	2.4	.5
Theatres	1.3	3.	1.7
Welfare, Y.M.C.A., etc.	1.7	1.3	-.4

SOUTHEASTERN STATES

Requirements for
New Buildings
by Percentage

Type of Building	1926	1927	Chge.
Automotive	3.	4.6	1.6
Banks	3.	2.3	-.7
Apartments	12.2	8.4	-3.8
Apartment Hotels	3.8	3.2	-.6
Clubs, Fraternal, etc.	5.6	5.2	-.4
Community & Memorial	1.4	1.	-.4
Churches	5.3	6.9	1.6
Dwellings (under \$20,000)	6.1	4.	-2.1
Dwellings (\$20,000 to \$50,000)	3.1	4.2	1.1
Dwellings (over \$50,000)	1.6	1.1	-.5
Hotels	18.	15.	-3.
Hospitals	2.7	5.	2.3
Industrial	2.	2.	
Office Buildings	11.7	5.	-6.7
Public Buildings	6.	4.	-2.
Schools	6.9	13.8	6.9
Stores	3.4	8.	4.6
Theatres	2.	4.	2.
Welfare, Y.M.C.A., etc.	2.2	2.3	.1

SOUTHWESTERN STATES

Type of Building	Requirements for New Buildings by Percentage		
	1926	1927	Chge.
Automotive	2.8	2.8	
Banks	6.2	2.	-4.2
Apartments	5.2	8.	2.8
Apartment Hotels	2.6	2.	-.6
Clubs, Fraternal, etc. ..	4.4	4.	-.4
Community & Memorial	2.7	5.2	2.5
Churches	11.6	10.2	-1.4
Dwellings (under \$20,000)	3.8	3.5	-.3
Dwellings (\$20,000 to \$50,000)	3.3	4.	.7
Dwellings (over \$50,000)	1.6	1.5	-.1
Hotels	11.3	10.8	-.5
Hospitals	4.5	5.2	.7
Industrial	8.3	5.3	-3.
Office Buildings	10.3	13.7	3.4
Public Buildings	5.4	2.9	-2.5
Schools	10.7	12.5	1.8
Stores	1.9	2.	.1
Theatres	2.9	3.2	.3
Welfare, Y.M.C.A., etc.	.5	1.2	.7

MIDDLE STATES

Type of Building	Requirements for New Buildings by Percentage		
	1926	1927	Chge.
Automotive	2.8	3.2	.4
Banks	3.4	2.6	-.8
Apartments	7.8	10.	2.2
Apartment Hotels	4.1	3.	-1.1
Clubs, Fraternal, etc. ..	5.3	5.	-.3
Community & Memorial	2.2	2.	-.2
Churches	4.5	6.	1.5
Dwellings (under \$20,000)	2.8	2.	-.8
Dwellings (\$20,000 to \$50,000)	2.	2.4	.4
Dwellings (over \$50,000)	1.6	1.1	-.5
Hotels	13.7	5.7	-8.
Hospitals	5.	4.9	-.1
Industrial	7.5	8.6	1.1
Office Buildings	12.1	16.6	4.5
Public Buildings	2.8	4.	1.2
Schools	13.5	13.6	.1
Stores	2.5	1.6	-.9
Theatres	5.7	5.8	.1
Welfare, Y.M.C.A., etc.	.7	1.9	1.2

WESTERN STATES

Type of Building	Requirements for New Buildings by Percentage		
	1926	1927	Chge.
Automotive	2.3	3.6	1.3
Banks	3.2	2.	-1.2
Apartments	7.8	9.8	2.

Apartment Hotels	5.6	4.3	-1.3
Clubs, Fraternal, etc. ..	5.2	6.3	1.1
Community & Memorial	3.8	1.9	-1.9
Churches	4.4	6.2	1.8
Dwellings (under \$20,000)	4.7	3.	-1.7
Dwellings (\$20,000 to \$50,000)	1.4	2.3	.9
Dwellings (over \$50,000)	1.5	1.9	.4
Hotels	10.5	11.3	.8
Hospitals	7.6	3.9	-3.7
Industrial	3.8	2.9	-.9
Office Buildings	14.8	11.6	-3.2
Public Buildings	6.	9.6	3.6
Schools	10.5	13.9	3.4
Stores	2.3	2.1	-.2
Theatres	3.6	2.4	-1.2
Welfare, Y.M.C.A., etc.	1.	1.	

The next point of interest is to study the indications of this forecast in relation to building activity in various sections of the country in 1927 as compared to that of 1926. Reports received by The Architectural Forum have been carefully compared with last year's forecast figures and with the actual record of contracts let. This comparison shows that in the Northeastern States building activity will be approximately 10 per cent. less in 1927 than in 1926. This is closely in accordance with the average reduction of new construction volume expected throughout the country. In the North Atlantic States, which include the New York area, a similar average reduction in activity is expected. In the Southeastern States, it is anticipated that construction will be probably 20 per cent. to 25 per cent. less in 1927 than in 1926. The Southwestern States, however, promise a volume of new building approximately equal to that of last year. Figures received from the Middle Western States, including the Chicago district, show no anticipated reduction of activity—in fact, all indications point to a program probably 10 per cent. greater than that of 1926. The Western States are also to be consistent with the national reduction, showing activity about 10 per cent. less in 1927 than in 1926.

A comparison of anticipated new construction in various types of building for 1927 provides a basis for anticipating a number of changes both nationally and in various districts. The detailed comparison is found in the percentage tables presented with this article, but some of the outstanding features are as follows:

For the entire United States, new automotive buildings, bank buildings, club and fraternal buildings, community and memorial buildings, hospitals, commercial buildings, schools, stores, theatres, and welfare buildings will be constructed in approximately the same proportion to the total new construction as was the case in 1926. A considerable increase is anticipated in the building of apartment hotels, churches and public buildings. Apartment buildings will represent somewhat larger proportion of the new construction than in 1926.

The construction of new hotels promises to be probably 20 per cent. less than the actual figures of 1926. In forecasting hotel construction last year, The Architectural Forum's figure turned out to be considerably too high because it included a large number of projects which failed to materialize due to failure in financing programs. In Florida, for instance, many hotels which actually reached the foundation stage, were not completed because of the collapse of the boom. Similarly, many local "drives" failed because the project in mind was evidently too large—a point which should be carefully watched in relation to any new hotel project, and one which the hotel industry is watching carefully for 1927.

The Architectural Forum's estimate of hotel building shows a greater demand in the Northeastern States for 1927 than 1926; approximately the same in the North Atlantic States; a reduction of about 20 per cent. in the Southeastern States; approximately the same in the Southwestern States; less than half the demand in the Middle States (where a vast amount of new construction has been carried out), and approximately the same in the Western States. The comparative

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

Illustrations to Accompany ARCHITECTURAL FORUM Building Forecast for 1927

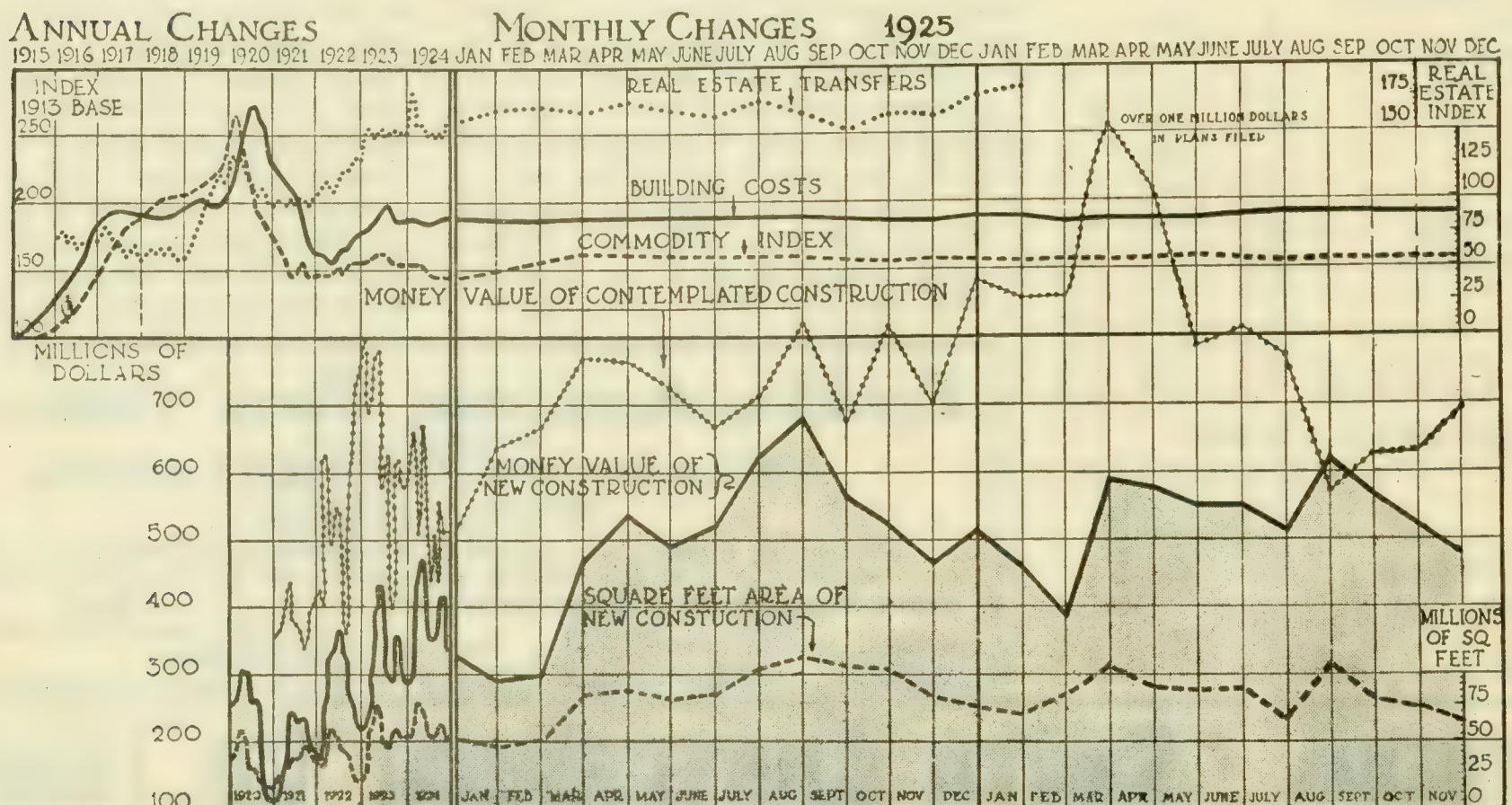
BUILDING TYPES	N. EASTERN STATES	N. ATLANTIC STATES	S. EASTERN STATES	S. WESTERN STATES	MIDDLE STATES	WESTERN STATES	U.S.A.
Automotive	\$8,605,000	\$37,070,000	\$8,887,500	\$8,735,000	\$52,365,000	\$21,470,000	\$137,132,500
Banks	16,000,000	81,425,000	4,485,000	6,700,000	41,050,000	8,997,500	158,657,500
Apartments	21,757,500	331,602,500	14,500,000	25,317,500	157,047,500	57,775,000	608,000,000
Apartment Hotels	6,337,500	117,362,500	5,562,500	5,675,000	48,150,000	25,150,000	208,237,500
Clubs Fraternal, etc.	11,882,500	62,362,500	9,687,500	12,395,000	73,667,500	37,845,000	207,840,000
Community and Memorial	4,337,500	29,570,000	1,112,500	18,815,000	31,275,000	11,522,500	96,632,500
Churches	39,345,000	99,840,000	12,937,500	35,402,500	90,960,000	36,415,000	314,900,000
Dwellings * (Under \$10,000)	8,555,000	40,607,500	7,925,000	12,990,000	31,867,500	13,875,000	115,820,000
Dwellings (\$20,000 to \$50,000)	7,925,000	39,687,500	6,095,000	11,940,000	38,737,500	12,095,000	116,480,000
Dwellings (Over \$50,000)	8,075,000	33,520,000	2,212,500	5,915,000	29,220,000	11,387,500	90,330,000
Hotels	20,970,000	92,442,500	25,762,500	37,725,000	92,950,000	66,917,500	336,767,500
Hospitals	17,850,000	126,937,500	7,850,000	18,465,000	78,222,500	23,622,500	272,947,500
† Industrial	42,362,500	134,205,000	2,415,000	18,555,000	139,455,000	17,797,500	354,790,000
Office Buildings	32,250,000	194,140,000	7,757,500	47,385,000	267,845,000	68,250,000	617,627,500
Public Buildings	28,102,500	102,027,500	6,950,000	10,912,500	65,845,000	56,440,000	270,277,500
Schools	52,900,000	144,950,000	24,770,000	43,325,000	219,080,000	81,215,000	566,240,000
Stores	5,417,500	42,025,000	14,072,500	7,567,500	25,487,500	12,497,500	107,067,500
Theaters	18,637,500	54,747,500	6,995,000	11,012,500	93,367,500	14,892,500	199,652,500
Welfare Y.M.C.A., etc.	7,425,000	24,167,500	4,262,500	4,745,000	30,537,500	6,280,000	77,417,500
TOTAL VALUE OF NEW BUILDINGS	\$358,735,000	\$1,788,690,000	\$174,240,000	\$343,577,500	\$1,607,130,000	\$584,445,000	\$4,856,817,500

©THE ARCHITECTURAL FORUM

DETAILED FORECAST of NEW BUILDING CONSTRUCTION for 1927

(These figures represent only work being planned by architects)

*Architects plan only 20% of small houses—multiply figures by 5 for grand total. †Architects plan 50%



©THE ARCHITECTURAL FORUM

BUILDING ACTIVITY in the UNITED STATES SINCE 1915

demand for new hotel buildings in the United States for 1927 is probably one-third less than that indicated for 1926.

A reduction of approximately 15 per cent. is expected in new construction contracts let for industrial buildings, such as factories and warehouses. Dwellings under \$10,000, which made up approximately one billion dollars of last year's total, will probably show a 20 per cent. reduction in activity, while the construction of dwellings over \$10,000 will be about 10 per cent. less.

The above deductions, as taken from the large number of individual reports received by The Architectural Forum in its Annual Survey, seem to be quite in accordance with changing trends of public demand for new buildings. The increased activity in apartment hotel building, for instance, is a definite reflection of a change in the mode of living which seeks convenience and comfort without the responsibilities of operating large individual dwellings. Thus, it is anticipated that there will be a definite increase in the number of co-operative apartment buildings, and no decrease in the volume of high class apartment construction.

To sum up the general impressions of this forecast, it is apparent that 1927 will be another year of considerable prosperity for the building industry and that economic conditions will provide both the demand and the means to add to the vast contribution to the nation's total of well built structures. The labor situation in the building trades promises to remain approximately the same, without any great element of change or disturbance. The program of building finance is operating smoothly and in readiness to take care of all sound projects—with an eye to discourage new building projects which show an economic weakness either from the viewpoint of demand or because of poor specifications.

In other words, the United States is apparently going about its building business in a sensible way, meeting requirements in a far seeing manner, and undertaking no program which will do other than meet the sane requirements of the situation. Over the next few years a gradual reduction of building activity is anticipated—one which will ultimately bring the national building program to a new normal of approximately \$4,000,000,000 a year.

MORTAR

Its Importance to the Mason and Builder
(Continued from a previous issue)

Cost of Mortar

The cost of any mortar is, of course, the material cost of the ingredients and the labor cost of preparing and mixing.

If the necessary amount of each ingredient and its price in the local market are known, the cost of materials is found

by a very simple calculation—multiplying the amount by the unit price.

A laborer with some experience should be able to slake, sand and stack about $1\frac{3}{8}$ barrels of lime per hour or 11 barrels in an eight hour day. The time required for mixing and tempering mortar per 1000 bricks is from one to one and one-half hours, depending on the thickness of the mortar joints, for both lime and cement mortar.

One mortar maker, working by hand, should supply five bricklayers; with a mixing machine, one man can supply 25 or more bricklayers. Assistance in bringing materials to the machine is necessary. It is economical, in any sizable job, to use expert mortar mixers and so keep bricklayers amply supplied with good mortar, as well as with bricks.

The following information should enable one to ascertain the approximate amounts of brick, mortar and labor time for 100 square feet of wall surface of three standard wall thicknesses of the more common types of construction. All quantities are based on the standard brick size of $2\frac{1}{4}$ inches x $3\frac{3}{4}$ inches x 8 inches.

Useful Information

Cement: A bag of Portland cement contains 94 lbs. net.

A barrel of Portland cement contains four bags or 376 lbs. net.

When packed, Portland cement weighs about $108\frac{1}{2}$ lbs. per cubic foot; when loose, 92 lbs. per cubic foot.

Portland cement should be kept from dampness.

Keep empty bags dry, for allowance is made for bags returned in good condition.

A cubic foot of cement paste requires about 94 lbs. of cement.

Lime: A bushel of lump lime contains from 75 to 85 lbs. net.

A cubic foot weighs from 60 to 65 lbs. A 180-lb. barrel contains about 3 cubic feet.

A 280-lb. barrel contains about $4\frac{3}{4}$ cubic feet.

The average amounts of lime putty obtained from lump lime is as follows: From one bushel lump lime, 3 cu. ft. putty.

From one 180-lb. barrel, 7 cu. ft. putty.

From one 280-lb. barrel, 11 cu. ft. putty.

Hydrated Lime: One cu. ft. weighs about 40 lbs.

One paper package contains about 50 lbs. net.

One cloth package contains about 100 lbs. net.

One 100-lb. package makes about 2.28 cu. ft. of lime paste.

Sand: A cu. ft. weighs about 100 lbs.

Is usually sold by the yard (cubic yard) which contains 27 cu. ft.; sometimes by the ton (2000 lbs.) which contains about 20 cu. ft.

Brick: The standard size of building brick is $2\frac{1}{4}$ in. x $3\frac{3}{4}$ in. x 8 in., but slight variations in these dimensions are unavoidable and permissible.

The average brick weighs about $4\frac{1}{2}$ lbs.

One thousand (1000) brick closely stacked occupy about 56 cu. ft. of space.

Brick necessary for 100 Square Feet of Wall Surface

The approximate amounts of standard-size brick necessary to build 100 square feet of wall of the three standard thicknesses are given below. From these data may be *estimated* the amount and cost of mortar for any specific piece of work. For more complete and detailed data, the reader is referred to our book "BRICK—HOW TO BUILD AND ESTIMATE."

Materials Required for Making Mortar

The quantities of each material given are the approximate amounts necessary to make 100 cubic feet of mortar of the recommended mixes. The amounts for any quantity other than 100 cu. ft. can be readily calculated by multiplying the quantities given herewith by the desired number of cubic feet and dividing the quotient by 100 (or by pointing off two decimal places from the right, which is the same thing.)

Lime Mortar: (1 part lime and 3 parts sand) will require about:

5—180-lb. barrels of lump lime, or
29—50-lb. sacks of hydrated lime and
4—cu. yds. of sand.

Cement-Lime Mortar: (1 part cement, 1 part lime and 6 parts sand) will require about:

13—94 lb. sacks of cement,
2—180-lb. barrels lump lime, or
15—50-lb. sacks hydrated lime and
4—cu. yds. of sand.

Cement Mortar: (1 part cement and 3 parts sand, with 1-10 of the cement, by weight, replaced by dry hydrated lime or its equivalent in lime putty), will require about:

33—94-lb. sacks of cement,
1.2—180-lb. barrels of lump lime, or
7—50-lb. sacks of hydrated lime, and
4—cu. yds. of sand.

Cement Mortar: (1 part cement and 3 parts sand) will require about:

37—94-lb. sacks of cement, and
4—cu. yds. of sand.

ENGINEERS REDUCE WEATHER MAKING TO EXACT SCIENCE

Take Tip From Mark Twain and Change Climatic Conditions—Dominates Air Control

By E. B. CRESAP, *Ventilation Expert.*

It may seem a far cry back to the days when Mark Twain used to "razz" the

weather of New England and his famous line that "Everybody always has complained about the weather, but apparently no one has ever done anything about improving it."

But during those intervening years science and engineering skill have made rapid strides and one of the mechanical wonders of this age of wonders is the mechanical control of air, or scientific ventilation.

The fact of the matter is that the ventilating engineer of today can create any condition of weather or climate wanted. He plays with air like the par golfer or star pitcher plays his ball. He controls air—directs it—curves it—dominates it. Mechanical ventilation, electrical air control, manufactured weather or what you please, has been reduced to an exact science.

Do you want your home, school, theatre, factory or office torrid, frigid, arid, humid or like an ideal, balmy day in exquisite June—58 degrees wet bulb temperature? If so, the ventilating engineer can fill the prescription in every detail.

Until just two or three years ago, theatres and other public gathering places closed every summer because of the hot weather and resultant low attendance. What is happening now? Electrical air control carries off the heat and cools the theatre. People go to many theatres on the hottest days in summer to keep cool! Thus, the theatres are turning a serious liability into a solid asset.

One of the unhealthiest places in the world used to be the "little red school house up on the hill." Here children were packed into stuffy, odorous rooms, with absolutely no ventilation except the occasional spasmodic opening of a rattling window that was quickly closed when cold draughts brought chills and shivers. Thousands of children caught bronchitis, tonsillitis and all the other itis's and isms because of a stupid system that vitiated their little bodies with dead, fouled air and annihilated their resistance to disease.

What is happening now? Many cities and states have passed severe laws compelling mechanical ventilation of schools. An aroused public sentiment has become crystallized against the wicked, crass attitude that our children are not worth spending a few extra thousand dollars on in the protection of their lives and health.

Public schools in Detroit, St. Louis, Chicago, Columbus, Bloomington and scores of other American cities are now equipped with immense air washing machines and all the other equipment necessary to properly clean, temperature and humidify the polluted air of our cities.

Electrical control of air or air conditioning plays a major role in almost every ramification of modern life. It is used in hotels, greenhouses, hospitals, department stores, warehouses, cold storage

plants, printing establishments. Without it, mass production in industry, as we know it today, would be impossible. Air conditioning is vital in the manufacture of candy on a large scale. It is imperative in the volume production of bread, corn flakes, yeast, rubber, chewing gum, textiles, drying tea, gunpowder, photo-gravures and a hundred other things too numerous to mention.

Huge blower type fans are used in the very bowels of the earth to ventilate mines and minimize the danger of coal dust explosions. The ventilating engineer conditions the air in flour mills to prevent explosions. Such modern giants as the Holland tunnel under the Hudson River and the Liberty tunnel that ploughs through the small mountain that splits Pittsburgh would be impossible without mechanical ventilation. Proper ventilation by mechanical means nullifies the menace of carbon monoxide gas, the deadly poison poured out from the exhausts of millions of automobiles.

Fundamentally, the ventilating expert manipulates four factors to produce exactly any type of weather desired. They are: temperature, humidity, cleanliness of the air and effective distribution of the air or air motion. These can be controlled automatically and if variations are wanted they can be controlled or directed automatically. Like a chain that is just as strong as its weakest link, each of these factors is indispensable to health and comfort.

Is your home or building too dry or too moist? One extreme or the other is created by the relative humidity present or the amount of water-vapor mixed with the air. There are times when humidity is more important than temperature. The temperature may appear all right, but you may be decidedly uncomfortable because there is too much humidity. If the air is still, you will feel uncomfortable. Why? Because air motion carries away body heat and moisture.

How many tons of dirt and dust do you suppose the air of our American cities carries each day? How many buckets of dirt and dust do you breathe each year? In special experiments, it was revealed that one public school in Brooklyn removed one bucket or five pounds of dirt every school day from the air entering the building. This dirt was taken each day from the residue left in an air washer.

Construction costs declined slightly during 1926, reaching the lowest average occupied in any year since 1922, according to statistics compiled by the Associated General Contractors of America and announced today. The tendency toward lower cost levels, in force since mid-summer of 1923, continued to make itself evident.

The year was conspicuous for slight fluctuation in the cost of construction, virtually a single level being held throughout the last five months of the year. Earlier, the cost figures had consistently refused to approach the higher levels of 1925.

The average of costs for 1926 was slightly less than twice as great as the 1913 average, holding the 197 level on an index which takes the pre-war year's average as its basis. The 1925 average was 199, while the 1924 figure was 202.

The lowest mark reached during 1926 was noted in October, and the highest level was assumed in May, the respective index figures being 195 and 199. The December figure was 196.

The decline in the average cost of operations last year was largely the result of decreases in the prices paid by general contractors for basic materials entering into their operations. The average of these prices paid during 1926 showed a drop of five points from the index figure of 183 established in 1925.

The average of wages paid by contractors in the principal construction centers of the United States during 1926 was slightly more than the corresponding average registered for 1925. The 1926 average occupied the 225 level, one point above the plane held by the 1925 average.

The other day a prominent local architect called up to inquire regarding a concern that has not advertised with us for two years. "I saw their ad. some years ago in the Guide," said the architect, "and am unable to recall just where they are located." We gave him the address and learned subsequently that as a result the firm bagged a big order. How many similar orders, from architects who wouldn't take the trouble to look them up, that same concern has missed in the course of the past two years it would interest us to know.

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.

The only road to advancement is to do your work so well that you are always ahead of the demands of your position. Our employers do not decide whether we shall stay where we are or go on and up; we decide that matter ourselves. Success or failure is not chosen for us; we choose them for ourselves.—H. W. Mabie.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE

Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES

Service Supply Corporation,
20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation, 20th and Venango Sts.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co., Otis Bldg., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. and "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co., Otis Bldg., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America, 1600 Arch St.
Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.
Smith-Austermuhl Co., Camden, N. J.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co., 5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A., 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co., 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co., 5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co., 5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co., 1923 Market St., Phila.
Camden Tile Co., Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co., 125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Joseph SterlingCamden, N. J.

PLUMBING FIXTURES

Fleck Bros. Co., 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co., Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.

Penn Steel Service Co., Fuller Bldg., Phila.

H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co., 617 Filbert St., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.

ROOFING

Benjamin Foster Company,
20th and Venango Sts., Phila.
John Nacey Co., 7254 Paschall Ave., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co., 7254 Paschall Ave., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co., Bethlehem, Pa.

ROOFING TILE

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co., 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co., 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES

Edwin Elliott Co., 560 N. 16th St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

"SURETY BONDS"

Smith-Austermuhl Co., Camden, N. J.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co., 1923 Market St., Phila.
Camden Tile Co., Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES

Truscon Laboratories1505 Race St., Phila.

TRUSCON LABORATORIES



1792 1926

"The Oldest
American
Fire and Marine
Insurance
Company"

Service

When you go to a North America agent for insurance, all you pay are the premiums. His service costs you nothing. It includes complete information on the various forms of insurance protection, practical advice on the best policies for your purposes, and inspection of your property and business risks as often as you wish it.

Consult your agent as you would your lawyer or doctor.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Lowers the Freezing Point of Concrete to 15° F.

You don't have to stop your Concrete and masonry work during freezing weather if you use "ANTI-HYDRO." All the brick work in this building was laid during freezing weather; results were entirely satisfactory.

"ANTI-HYDRO" is a liquid integral compound which also makes concrete permanently hard and waterproof all in one operation. It is easy and economical to use—simply mix it with the gauging water—no skilled labor required.

During the 22 years that "ANTI-HYDRO" has been in use, it has never failed to produce satisfactory results. Use it on your next job.



Polytechnic
Prep. School
Brooklyn, N.Y.

Arch., Lord &
Hewlett

Contr., George
Mertz' Sons

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

PAUL J. DEVITT

BUILDERS' HARDWARE

1101, 1103, 1105 SO. SECOND STREET, PHILADELPHIA, PA.

PAUL J. DEVITT will open a branch store in the NEW ARCADE BUILDING, 69th and Market Streets, opposite the Terminal, on or about DECEMBER 4th, with a FULL LINE of BUILDERS' HARDWARE, TOOLS and kindred lines. We will maintain the same scale of low prices and quality of goods that we have always had in our down-town store.

WRITE FOR OUR BUILDER HARDWARE CATALOGUE

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 4
January 26, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS

ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

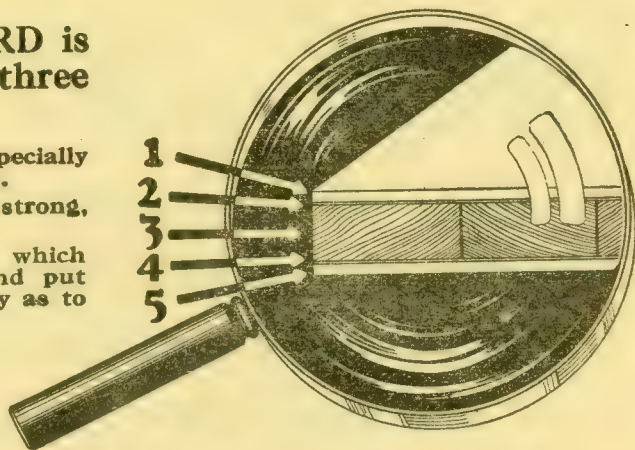
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Philadelphia Should Be Proud of The
Fidelity - Philadelphia Trust Co.

for the selection of

1st—A Philadelphia Architect

2nd—A Philadelphia Builder

for their new home.

May they long prosper for this step in the
right direction.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.

LIBERTY

WHERE THIS BOOK GOES
SO DO WE
NO JOB TOO BIG OR TOO SMALL
A COMPLETE INSTITUTION
IN ALL ITS BRANCHES

HOUSE AND WINDOW CLEANING COMPANY

629 CHESTNUT STREET, Philadelphia, Pa.

BELL PHONE: LOMBARD 6400

OUR 15 YEARS EXPERIENCE YOUR GUARANTEE

SERVICE SUPREME
SKILLED WORKMEN
ALL JOBS PERSONALLY
SUPERVISED BY EXPERTS
OUR PRICES ARE RIGHT
AND HARD TO BEAT

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

1711 Chestnut Street
PHILADELPHIA, PA.

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN
Distributing Agents

Office and Warehouse: 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

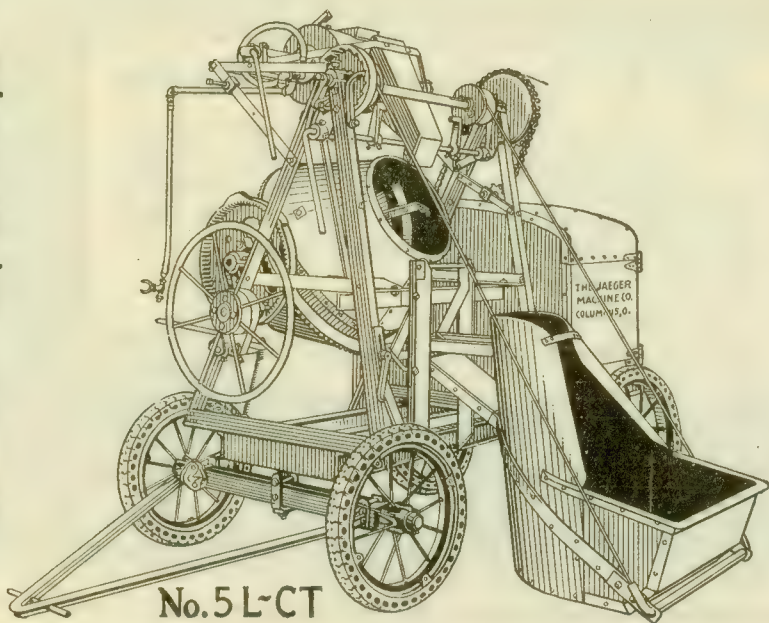
FABRICATED STEEL IRON BARS

RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
S

No. 5 L-CT

S
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Rittenhouse 5559

Race 99-28

**HARRY A. WHARTENBY
IRON, STEEL, BRONZE**

Manufacturers' Representative

1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

**TRAY ELEVATORS AND LOWERATORS
CONVEYOR EQUIPMENT**

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Go to **HENRY M. MILLER**

50 North 2nd Street

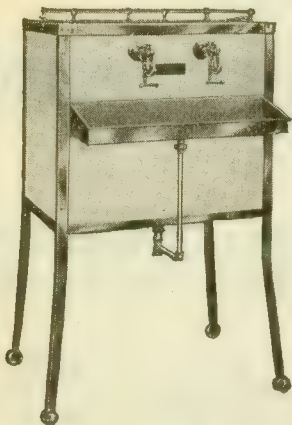


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 4

PHILADELPHIA
January 26, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



WRITING A NEW BUILDING CODE

*How New Orleans Handled the Problem
With Aid of Engineering Societies—
Pile Foundation and Wind
Pressure Provisions*

By F. A. MUTH

*First Assistant Superintendent, U. S.
Lighthouse Service, New Orleans, La.*

New Orleans has a new building code. It replaces the former code of 1910 and is not a revised or amended document but a wholly new document. The story of how it was brought into being is of interest not only because of the method followed but also because of the fact that it is based on principles of modern practice and is so arranged as to be readily amended.

The Louisiana Engineering Society for several years has been advocating a new building code for the city, and in the spring of 1924, with the aid of the Contractors and Dealers Exchange, an appropriation by the city was secured for the employment of some one to codify the building laws.

Organizations of business and professional men offered their services, and representatives of these organizations were accepted by the city engineer to form an

advisory committee. This committee was headed by Col. Marcel Garsaud, general manager of the Board of Commissioners, Port of New Orleans; he represented the Association of Commerce as well as the Contractors and Dealers Exchange. Each of the other members of the committee was the chairman of a sub-committee made up of specialists in various professional lines, representing the following organizations: General Contractors Association, American Institute of Architects, Louisiana Engineering Society, Louisiana Fire Prevention Bureau, New Orleans Homestead League and Real Estate Association, and Louisiana Bar Association. These sub-committees had from two to twenty members, and included a total of 58 men, all selected with a view to their ability to assist in the preparation of the code.

Upon a recommendation of the advisory committee and the city engineer, the writer was employed as technical expert after being granted leave from government service. He prepared digests of the building codes of progressive cities in all sections of the country together with a digest of the old building code, which formed the basis for drawing up a skeleton outline of the new code. After this

outline was adopted, the recommendations of the various sub-committees were received, together with suggestions from interested citizens and from numerous national organizations and government bureaus. The suggestions, when codified, were acted on by the appropriate committees, and were then printed in tentative form, which was held for suggestions and criticisms for a period of over a year. Especial benefit was derived from suggestions by both local architectural associations. The advisory committee then prepared the final draft of the code, and subsequently recommended it to the Commission Council. The latter on Oct. 19, 1926, adopted it by ordinance.

Standard Specifications Used—While committees at all times bore in mind that safety is an important element in any type of construction, great concern was given to cost and economy in the building laws. To this end building codes of other cities were considered, though not followed except when suited to the local requirements. The work of the U. S. Department of Commerce in standardization was kept in mind and it was found that the work of the building code committee of that department was most helpful. Quality requirements of masons' and

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

JOHN DI SOPRA, Mgr.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET

PHILADELPHIA
JAC kson 4869

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

other materials were based on the specifications and tests of the American Society for Testing Materials.

In order to simplify future modernization, the following were adopted as standards in the code: for concrete construction, the recommendations of the Joint Committee on Standard Specifications for Concrete and Reinforced Concrete (1924) for steel, the specifications of the American Institute of Steel Construction (1923); for stresses in timber, the basic grading rules and working stresses for structural timbers of the U. S. Forest Service (Forest Products Circular 295, 1923). These standards were considered to represent the best present requirements and practice, but to prevent the code from becoming obsolete it is provided that subsequent issues of these standards may be adopted by publication of notice in the city's official journal.

Local Problems; Piles—Certain engineering features were considered as a local problem, and existing codes of other cities were not employed as criteria or standards. Due to the peculiar soil conditions in this locality the following paragraphs were adopted to cover the driving of piles:

No part of the load carried from the footings to the piles shall be figured on the soil surrounding the pile.

The city engineer shall be satisfied as to the sufficiency of the sustaining power of all piles. The city engineer may require test piles to be driven at the expense of the owner to determine the length and safe supporting power of piles for the structure.

Should test piles be required by the city engineer, the number of said test piles, the manner of driving same, the records of borings, etc., shall be such as to meet the approval of the city engineer.

Should the city engineer so require, the said test piles must be tested with known loads at the expense of the owner, and the method of applying the test loads and of making and recording observations on the loaded test piles shall be such as to meet the approval of the city engineer.

Certified copies of records of driving test piles, of loading same and of observation on the loaded test piles shall be furnished the city engineer.

The allowable working loads on a wooden pile or on a concrete pile shall be in no case more than one-half of the load which can be sustained for 48 hours with 0.01 in. per ton of load

applied, and no observable settlement in the succeeding 48 hours.

The city engineer shall be notified of the time when the test piles will be driven and loaded. In the absence of the city engineer or his representative the driving of test piles may proceed, provided reasonable notice has been given.

Wind Bracing—The matter of wind pressure and wind bracing requirements is covered by specifying 25 lb. per sq. ft. normal to the wind (reduced by Duchemin's formula for inclined surfaces), and 0.6 as much on cylindrical surfaces. Stresses due to wind combined with load may exceed the otherwise allowable stresses by one-third. Anchorage is required when the overturning moment exceeds half the moment of stability.

As to wall resistance the following is specified:

The resistance offered to the distortion of a framed structure by spandrel walls and partitions shall not be counted upon, but said distortion shall be provided for by properly designed bracing.

The engineering committee after careful consideration of the requirements of this locality arrived at the value of 25 lb. for the wind pressure. This, however, was based on the frame of the structures carrying the wind load without any reliance being placed on the stiffening or bracing effect of the spandrel walls or partitions. Furthermore, the enforcement of the requirements of the new code is premised upon an increased organization in the Building Department with an adequate force of structural engineers for checking plans and of more inspectors in field.

Designer Must Be Licensed—In line with the growing tendency in other parts of the country to safeguard the public, further requirements in the checking of drawings were insisted upon. The importance of the qualified architect and engineer is recognized in the following requirements for the signing of drawings to secure the building permits:

All plans involving structural design of sufficient importance, in the opinion of the city engineer, shall be signed by an engineer or an architect registered under the laws of the State of Louisiana; said engineer or architect to be qualified for structural design.

As already mentioned, Col. Marcel Garsaud was chairman of the advisory committee. Prof. Donald Derickson was

(Continued on page 61)



Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone 7
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Post Office, West Philadelphia, Pa., \$11,000,000. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Work contemplated. Recommended.

Building (alts.), 1634 Walnut street, Philadelphia. Architect, private plans. Owner, H. John Homan, Southeast Corner Eighteenth and Cherry streets, Philadelphia. Work contemplated.

Residence (alts. and add.), Southwest Corner Forty-sixth and Pine streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Louis Sabloskey, on premises. Preliminary plans in progress.

Store Building, Greene and Cheltenham avenue, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, George Allen, 1214 Chestnut street, Philadelphia. Brick, steel, limestone, stone, concrete, 3 stories. Plans in progress. Architect will take bids in two months.

Schools (2), Forty-eighth and Walnut streets; Cottman and Loretto streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. General heating, electric, plumbing, ventilating. Owners taking bids due February 1st.

Various Schools (alts. and add.), gas ranges, etc. Owners taking bids due February 1st.

Store and Apartment, 3434 North Broad street, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Park Realty Co., 4104 North Fifth street, Philadelphia. Owners taking bids as soon as possible.

Store Fixtures, 1120 Chestnut street, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owners, Lincoln Shoe Co., care of architect. Architect taking bids due as soon as possible.

Residences (4), Stores and Apartments (4), Sedgwick, Idell and Cresheim road, Philadelphia. Architect, Ralph Goldberg, 1626 Chestnut street, Philadelphia. Owner, H. E. Greenberg, North American Building, Philadelphia. Brick, 2 stories, 26x30 feet, 19x50 feet each, slag and slate roof, hardwood and pine floors, cement work, garages in basement, plate glass, flush bulks, metal lath, tile work, hot water heat, electric light. Owner taking sub-bids.

Parochial School, 623-25 Christian street, Philadelphia, \$180,000. Architects, Hoffman-Henon, Inc., Finance Building, Philadelphia. Owners, St. Mary Magdalen De Pazzi Church, Rt. Rev. Monsignor A. Garritano, 710 Montrose street, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 140x72 feet,

slag roof, cement and maple floors, metal weather strip, architectural terra cotta, metal lath, tile, marble and terrazzo, rolled steel sash, bond, ornamental iron, metal toilet partitions. Permit issued.

Office and Shop, Southwest Corner Second and Luzerne streets, Philadelphia, \$35,000. Architect, private plans. Owners, Connery & Co., Second and Luzerne streets, Philadelphia. Brick, 2 stories, 53x55 feet, 53x185 feet, slag roof, electric light. Permit issued.

Residences (2), 129-31 East Mermaid lane, Philadelphia, \$7,500 each. Architect, private plans. Owners, Marilina Brothers, 133 East Mermaid lane, Philadelphia. Concrete block, 3 stories, 16x38 feet 6 inches, 11x13 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Bridge on line I street, under Connecting Railroad, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 215 City Hall. Low bidders: Kaufman Const. Co., Pennsylvania Building, Philadelphia; Mundy Paving Co., 226 South Warnock street, Philadelphia.

Fire Station, Foulkrod and Darrah streets, Philadelphia. Fire station, 4445-51 Main street, Manayunk, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, City Hall, Philadelphia. Low bidders: Foulkrod and Darrah streets—McCormick-Lenham, Broad and Tasker streets, Philadelphia, \$61,000; J. B. Kelly, 2315 Walnut street, Philadelphia, \$63,936; electric, Charles W. Jester, 3038 West York street, Philadelphia, \$2,715; heating, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$4,319; plumbing, Bullman Brothers, Fifth and Cumberland streets, Philadelphia, \$4,096. Main street—McCormick-Lenham, Broad and Tasker streets, \$59,000; J. B. Kelly, 2315 Walnut street, \$59,786; electric, Charles W. Kester, 3038 West York street, Philadelphia, \$2,013; heating, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$4,429; plumbing, Bullman Brothers, Fifth and Cumberland streets, Philadelphia, \$4,196.

Miscellaneous Sewer Work, Philadelphia. Low bidders Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Alcott, Colgate to Bingham street, Perna Engr. & Const. Co., 739 South Eighth street, Philadelphia, \$5,678.23. Anchor street, Penn to Saul street, Garafola & Baradi, 3626 North Sixth street, Philadelphia, \$3,510. Camac, Mt. Vernon to Wallace, H. H. Pizagno, 907 South Thirteenth street, Philadelphia, \$2,714. Carver, Ditman to Aramingo, Joseph Moss, 1652 Wakeling street, Philadelphia, \$2,276.84. Algon avenue, etc., Vattieri & Pontarelli, 523 West Rising Sun avenue, \$15,361.25. Belgrade street, Venango street to Atlantic street, A.

Mateo, 748 South Tenth street, Philadelphia, \$2,663.90. Comly street, Tackawanna to Charles, F. R. Curtis, 3131 Longshore street, Philadelphia, \$1,852.90. Dunlap, Fifty-seventh to Fifty-ninth street, Perna Engr. & Const. Co., 739 South Eighth street, Philadelphia, \$14,525.91. Frazier street, Elmwood to Gray's avenue, Garson & Garson, 1243 North Fifty-eighth street, Philadelphia, \$5,338. Gibson avenue, Sixty-second to Sixty-third street, Sobatine & Vallone, 1720 South Chadwick street, Philadelphia, \$3,434.60. Grange street, Old York road to Fifteenth street, Delise & Mooliti, 4842 North Leithgow street, Philadelphia, \$4,845. Haddington avenue, Fifty-seventh to Fifty-ninth streets, Leva Brothers, 104 West Gale street, Philadelphia, \$12,995.50. Oakmont street, Frankford to Rowland, F. Di Pasquale, 1215 South Seventh street, Philadelphia, \$18,000.14. Harley street, Sixty-second to Sixty-third, J. Pizzogna, 5719 Lansdowne avenue, \$4,877.13. Janney street, Ontario to Tioga street, F. T. Buckius, Kensington and Deal street, \$4,872. Jefferson street, Fifty-seventh to Fifty-ninth street, C. G. Centrane, Bailey Building, \$14,025.50. Mippon, East Allen lane to Crittenden street, A. Bonitatibus, 300 West Mt. Pleasant avenue, \$10,077. Pike street, Frankford to Jasper, J. J. McHugh, 3617 Race street, Philadelphia, \$4,101.18. Randolph street, Johnston to Oregon avenue, Mazzola & Marano, 739 South Seventh street, \$8,045. Rhawn street, Frankford to Craig street, A. Matteo, 748 South Tenth street, \$3,547.75. Roslyn street, Seventeenth to Limekiln pike, W. E. Frenze, 76 East Montana street, \$845.50. Sanger street, Penn to Saul street, Perna Engr. & Const. Co., 739 South Eighth street, \$9,418.50. Sanger, Colgate to Tabor road, A. De Sandro & Son, 3906 North Fifth street, \$4,078.35. Smedley street, Cheltenham avenue to Sixty-fifth avenue, E. F. Bennis, 641 East Cheltenham avenue, Philadelphia, \$5,913.75. Sixty-fifth street, Buist avenue to Dicks avenue, Sabatino & Bologna, 2411 South Thirteenth street, \$4,054. Tulip street, Ontario to Tioga, J. T. Buckius, Kensington and Deal street, \$4,912. Twenty-first street, etc., Vattieri & Pontarelli, 523 West Rising Sun avenue, \$12,786.62. Wadsworth, Ardleigh to Crittenden street, A. Bonitatibus, 300 West Mt. Pleasant avenue, \$10,832.20. Wyncote, Limekiln pike to Ogontz avenue, Vattieri & Pontarelli, 523 West Rising Sun avenue, \$10,173.50. Duneau street, Aramingo to Frankford Creek, Mazzola & Marano, 739 South Seventh street, \$28,768. Erie avenue, Edgemont to Aramingo street, J. & R. Lombardi, Lincoln Building, Philadelphia, \$73,812.50. Mansfield avenue, Tulpehocken to Upsal street, J. R. Lombardi, Lincoln Building, Philadelphia, \$129,405.

Residence (alts. to Apts.), N. E. Cor. 2nd and Blvd., Phila. Architect, Wm. Lowenthal,

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

50% REDUCTION ON SCALES

FOR DRAUGHTSMEN

White Edge and Plain Boxwood—While They Last

Also Large Assortment of High Grade Swiss and German DRAWING
INSTRUMENTS AT GREAT REDUCTIONS

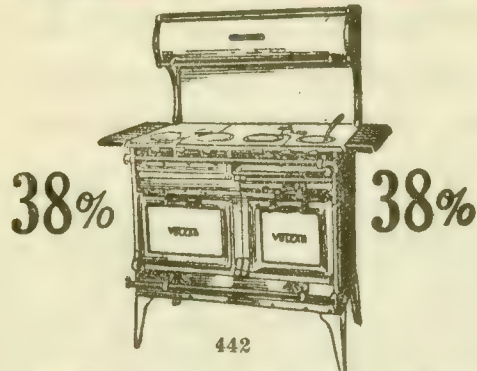
Come Early While Choice Is Good—Everything for the Draughting Room

J. H. WEIL & COMPANY

Established 30 years

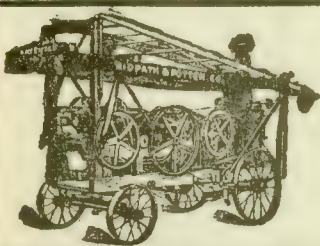
1317 Cherry Street, Philadelphia

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

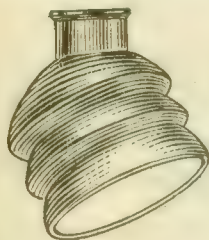
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

1208 Chestnut St., Phila. Owner Hyman W. Rubin, 2500 S. 2nd St., Phila. Local stone, 2 stories and basement, 17x67 feet, add. 2 stories, 17x14 feet, slate and slag roof, hardwood floors, heating and lighting, metal skylights. Architect taking bids due Jan. 31st.

Apartment House (add.), 1905 Walnut St., Phila. Architect, Ralph Bencker, Bellevue Court Bldg., Phila. Owner, Rittenhouse Plaza, 19th and Walnut Sts., Phila. Brick, limestone, steel, concrete, 3 stories, 19x120. Architect taking bids due Jan. 28th at 10 A. M.

Residence, Ridge Pike and Mantawna Ave., Roxborough. Architect, Aruthur H. Brookie, 254 S. 15th St., Phila. Owner, Reed A. Morgan, West End Trust Bldg., Phila. Stone, cut stone, 2½ stories and basement, 103x27 feet, 1 story garage, 30x23 feet, hot water heat, electric light, metal lath, tile work, slate roof, oak, cement and pine floors, hollow tile, carpentry and millwork, plastering, plumbing, hardware, bond, ornamental iron work, metal weatherstrips, incinerator, flagstone, dumb-waiter. Architect taking bids due Feb. 2nd.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Office Building and Bank, Broad, Walnut and Sansom streets, Philadelphia, \$10,000,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Fidelity Philadelphia Trust Co., M. B. Broekius, Chairman, 325 Walnut street. Brick, cut stone, granite, steel, 30 stories and basement, 221x178 feet, slag and tile roof, cement floors, elevators, safety treads, shoring, integral waterproofing, ornamental terra cotta, ornamental iron work, iron stairs, floor hardener, bond, tin covered and hollow metal doors, rolled steel and hollow metal sash, marble work, metal lath, steam heat, electric light, bronze work, granite, cork insulation, mail chute, mailerete, smoke stack, modeling, sculpturing, carving, demolition, area gratings, metal toilet stalls, bronze windows, brass pipe, wrought iron pipe, plumbing. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Contract No. 1, Wissahickon Creek and Haines street, Philadelphia. Architect, S. T. Wagner, 522 Reading Terminal Building, Philadelphia. Owners, Philadelphia & Reading R. R., Twelfth and Market streets, Philadelphia. Grading, excavation, construction of retaining walls, removal of buildings and other obstructions, erection of new north-bound station, shelter and platform, changing shelter platforms, construction of underground passage and stairway, overhead foot bridge, freight yard, paving, drainage and work appurtenant thereto. Appurtenant to the abolishment of grading crossings, Norristown Branch of Philadelphia & Reading between Wissahickon Creek and Fountain street, Manayunk, Philadelphia. Contract awarded Brown King Const. Co., Commercial Trust Building, Philadelphia.

Printing Plant, Jasper, North of Buckius street, Philadelphia. Architect, William L. Smythe, 1507 Arch street, Philadelphia. Owners, Joseph Brennan Co., 1623 Meadow street, Philadelphia. Brick, steel, 1 story, 68x120 feet, slag roof, cement floors, steam heat, electric light. Contract awarded William F. Lotz, Frankford avenue and Oxford pike, Philadelphia, who is taking sub-bids on revised plans.

Residence, Park Line Drive and Cliveden street, Philadelphia, \$67,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, A. Sabloskey, care of Stanley Co., 1916 Race street, Philadelphia. Stone, concrete, steel, 2½ stories and basement, 87x32 feet, garage 37x25 feet, slate roof, oak, pine and cement floors, painting and glazing, metal weather strip (plumbing, heating, electric reserved), metal lath, bond, ornamental iron work, incinerator, flagstone, area gratings, laundry chute, ornamental plaster. Contract awarded P. Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

Machine Shop Office, Southwest Corner Thirty-sixth and Walnut streets, Philadelphia. Architect, W. H. Gravell, Otis Building, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, 1 story add., 93x40 feet, gypsum slag roof, cement floors, metal lath, painting (heating and lighting reserved), rolled steel sash, ornamental iron work, iron stairs, celotex. Contract awarded Monaghan & Losse, 3016 Chestnut street, Philadelphia.

Manufacturing Building (add.), Thirty-third and Reed streets, Philadelphia. Architect, Edwin A. Roth, Drexel Building, Philadelphia. Owners, Lipsky Brothers, on premises. Brick, stone, reinforced concrete, slab

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Bell Telephone

Keystone Telephone

JOHN W. LEWIS

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

construction, 4 stories, 90x110 feet, composition roof, cement floors, elevators, steam heat, electric light, rolled steel sash. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Laundry Building, Sixth street, North of Lehigh avenue, Philadelphia. Engineers, H. M. Wilson Co., Peoples Bank Building, Philadelphia. Owners, Tremont Laundry Co., 629 West York street, Philadelphia. Brick, mill construction, 1 story, 54x137 feet, trussed slag roof, wood and cement floors, plumbing, steam heat, electric light. Contract awarded Harry Gill, Jr., 2515 Germantown avenue, Philadelphia.

Building (alts. and add.), Northwest Corner Rising Sun and Tabor road, Philadelphia. Architect, Hugh A. Hamilton, Cheltenham and Greene streets, Philadelphia. Owners, Erwin A. Bickley Co., on premises. Carpentry and mill work, plastering, painting and glazing, electric work. Contract awarded Hugh A. Hamilton, Cheltenham and Greene street, Philadelphia.

Store Building, 626 Arch street, Philadelphia. Architect, Frank E. Hahn, Seventh and Chestnut streets, Philadelphia. Owners, Kerr-Auerbach, 415 Market street, Philadelphia. Contract awarded Harry Dinerman, 4121 East Roosevelt Boulevard, Philadelphia.

Store and Storage Building (alts.), Northeast Corner Thirteenth and Girard avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Elizabeth Goldstein, 1951 North Fifty-second street, Philadelphia. General alterations. Contract awarded to Benjamin Kaplan, 1943 North Fifty-second street, Philadelphia.

Building (alts.) to Garage, 1825-33 Market street, Philadelphia, \$6,000. Architect, private plans. Owner, I. Gerstley, Trustee, 213 South Broad street, Philadelphia. General alterations. Contract awarded to Horace R. Bunting, 1006 Ritner street, Philadelphia.

Residence and Store (alts.), Southwest Corner Marshall and Poplar streets, \$5,500. Architect, private plans. Owner, C. B. Medorke, Seventh and Mifflin streets, Philadelphia. General alterations. Contract awarded to Max Cotler, 1220 North Forty-second street, Philadelphia.

Stores (alts.), 1118 Walnut street, Philadelphia, \$2,500. Architect, private plans. Owners, Eshelman & Craig, 1304 Walnut street, Philadelphia. General alterations. Contract awarded to Basch & Co., Ruan and Tackawanna streets, Philadelphia.

Building (alts.), Northeast Corner Fifteenth and Passyunk avenue, Philadelphia, \$3,400. Owners, Pep Auto Supply Co., Broad and Vine streets, Philadelphia. General alterations. Contract awarded to H. F. Hinkelacker, Ruan and Leiper streets, Philadelphia.

Store (alts.), 4903 Catharine street, Philadelphia, \$3,000. Architect, private plans. Owner, Robert McCauley, 6127 Cobb's Creek Park, Philadelphia. General alterations. Contract awarded to Remus & Wiggins, 2535 South Seventy-third street, Philadelphia.

Church (alts.), 1714 South Ninth street, Philadelphia, \$2,000. Architect, private plans. Owners, St. Nicholas' Church, on premises. General alterations. Contract awarded to R. Parisi, 1332 South Tenth street, Philadelphia.

Office and Manufacturing Building (alts.), Northwest Corner Sixth and Cherry streets, Philadelphia, \$7,000. Owners, Grillet & Col-

lins, Sixth and Cherry streets, Philadelphia. General alterations. Contract awarded to William Steele & Sons Co., 124 North Fifteenth street.

Store and Office (alts.), 2401 Kensington avenue, Philadelphia, \$5,000. Architect, private plans. Owner, A. M. Greenfield, Bankers Trust Building, Philadelphia. General alterations. Contract awarded to H. J. Levinson, Elrae Building, Philadelphia.

Residence (add. and alts.), 5127 Baltimore avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Adam M. Hall, 5131 Brown street, Philadelphia. Brick, 2 stories add., 20x16 feet, general alterations. Contract awarded to Walter A. Evitts, 4920 Fairmount avenue, Philadelphia.

Manufacturing Building (alts.), Northwest Corner J and Ontario streets, \$4,000. Architect, private plans. Owners, Brown Hosiery Co., on premises. Alterations to boiler house. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

Residence (alts.), 1916 Brown street, Philadelphia, \$3,500. Architect, private plans. Owner, Lazar Cohen, 1916 Brown street, Philadelphia. General alterations. Contract awarded to Harry Ruboff, 4843 North Hutchinson street, Philadelphia.

Residence (add. and alts.), 1553 North Twentieth street, Philadelphia, \$3,000. Architect, private plans. Owner, Hugh Doune, on premises. Brick, 3 stories add., 4x28 feet, general alterations. Contract awarded to Edward W. Wilson, 1553 North Twentieth street, Philadelphia.

Store and Residence (add.), 2219 Ridge avenue, Philadelphia, \$2,800. Architect, private plans. Owners, E. & K. Witkin, 2219 Ridge avenue, Philadelphia. Brick, 2 stories, 12x12 feet. Contract awarded to Laib Rubin, 421 Jackson street, Philadelphia.

Brown Bros. Building (alts. to 5th and 6th Floor), N. E. Cor. 16th and Walnut Streets, Phila. Architect, E. F. Abell, 33 Liberty St., New York City. Owners, Janney & Co., on premises. Steel partitions, rubber floors, linoleum floors, plastering, metal lath, carpentry and millwork, painting. Contract awarded J. S. Cornell & Son, 1528 Cherry St., Phila.

Auto Sales Building (add.), Cheltenham, near Green, Germantown, Phila. Architects, R. W. Caskey Co., Otis Bldg., Phila. Owners, Rittenhouse Motor Co., Chas. Goldner, on premises. Brick, cut stone, steel, 2 stories and basement, 40x80 feet. slag roof, cement floors, electric light, tile work, metal lath. Contract awarded H. P. Schneider, 3713 Old York Road, Phila.

Residence, N. Side of Mt. Pleasant Ave. E. of Ardleigh St., Phila. Owner, Jos. J. Greer, 6660 Lincoln Drive, Phila.. \$19,500. Stone,

FLOORING

Selbalith Composition

Selbatex Mastic

Tile-Tex Mastic Tile

Lether Tyle

Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—

laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON

CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA

INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet iron
well as samples of the Murp



THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

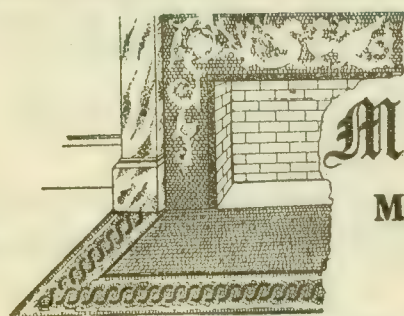
Be
19 W

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and PLASTERING

JOSEPH STERLING

112 North 7th Street CAMDEN, N. J. Camden 5766 W



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

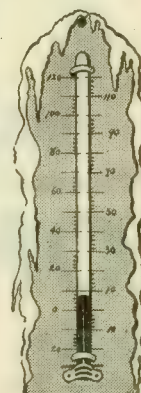
TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertain
of cement floor finish. Furnished in crys
the job. This results in economy. For furt

WAREHOUSE STOCK
IN PHILADELPHIA

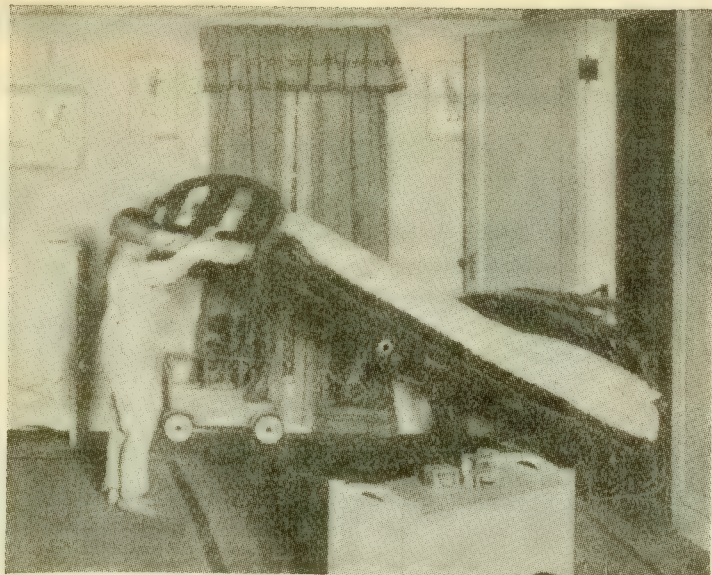
'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



BEDS

mes
ings
call at our
in kitchen
boards as
Beds

D CO.
y Building
44th Street
v York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.

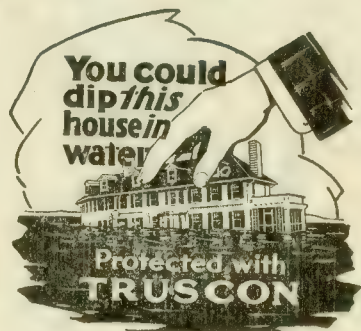


EMPERITE

m Freezing

s to time for first trowelling
m, all water being added at
ormation, ask

e Truscon
poratories



Phila. Office :
1505 Race Street

Instead of Leaky Shower Bath Curtains LEHMAN SPRAYSHIELDS

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation

Designed Right **L. H. LEHMAN** *"Don't Bathe*
Priced Right **1210 North 8th Street** *In a Tent"*
PHILADELPHIA

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

Architectural Cast Cut Stone Company

GRANITE
LIMESTONE
GRAYSTONE
Any Color desired

Office and Factory
344 Haddon Avenue
WESTMONT, N. J.

U. A. GASPARRI, General Mgr.

Bell, Collingswood 1788

MITCHELL BROS.
Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

TRIDENT
WATER METERS

For New and Old Properties

PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

**Reinforced Concrete
and Cement Work**

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building
Philadelphia

Lombard 4900

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

3 stories, 26 feet 4 inches by 39 feet 6 inches! 38 feet 10 inches by 20 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Samuel Harting & Sons, 20 E. Johnson St., Phila.

Pennsylvania Construction News

Residence and Garage, Ardmore and Upper Gulph Roads, Ardmore, Pa. Owner, Powell Evans, 22nd and Washington Ave., Phila. Work contemplated. Architect not yet selected.

Post Office, Scranton, Pa., \$2,270,000. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Post Office, Allentown, Pa., \$335,000. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Post Office, Chester, Pa., \$405,000. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Post Office (add.), Norristown, Pa., \$190,000. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Post Office, Wilkes-Barre, Pa., \$455,000. Architect, James A. Wetmore, Supervising Architect, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Post Office, Lancaster, Pa., \$335,000. Architect, James A. Wetmore, Supervising Architect, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Armory, Twenty-first and State streets, Harrisburg, Pa. Architect, not yet selected. Owners, Harrisburg Unit, National Guards of Pennsylvania, Harrisburg, Pa. Work contemplated.

School, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Polish Roman Catholic Church, Rev. Bronislaus Gebert, 429 Hayes street, Bethlehem, Pa. Brick. Architect selected.

Residence, Reading, Pa. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owner, H. N. Nolde, Ninth and Douglas streets, Philadelphia. Stone, 2½ stories, 30x105 feet, 22x45 feet. Preliminary plans in progress. Too early for details.

Theatre, East Liberty, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co., J. J. McGuirk, 1916 Race street, Philadelphia. Plans in progress.

Theatre, Norwood, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, M. A. Benn, Sixty-fifth and Woodland avenue, Philadelphia. Brick, steel, 1 story and basement, 1500 capacity, electric light, slag roof, cement floors. Revised plans in progress.

School, Allentown, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Catherine of Sienna Roman Catholic Church, Allentown, Pa. Brick, steel, 2 stories and basement, slag roof, pine and cement floors (plumbing, heating, electric reserved), metal lath, tile work, bond, ornamental iron work. Revised plans in progress.

Store and Dwelling, Sellersville, Pa. Architect, I. Demchick, 1701 Chestnut street, Philadelphia. Owner, Louis Stein, Sellersville, Pa. Brick, steel, 2 stories, 25x75 feet, slag roof, hardwood and composition floors, vapor heat, electric light, tile work. Plans in progress. Architect ready for bids in two weeks.

School (add.) (William McKinley), Glenolden, Pa. Architect, Mahlon J. Bye, Promos, Pa. Owners, School District of Darby Township, H. Fisher, Sharon Hill, Pa. All bids rejected. Plans will be revised. New bids to be taken in about a week.

Garage, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, name withheld. Steel, stucco, 1 story, 60x100 feet, composition roof, pine and concrete floors, hot air heat, electric light. Revised plans in progress. Architect will be ready for bids next week.

Garage, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, George Schlegel, 274 East Hamilton street, Allentown, Pa. Steel, brick, 1 story, 92x200 feet, slag roof, concrete floors, electric light, floor hardener, metal ceilings. Owner taking sub-bids.

Apartment Building, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Samuel Fox, 219 South Sixteenth street, Allentown, Pa. Brick, 3 stories, 35x65 feet, slag roof, pine floors, steam heat, electric light, tile work, ornamental iron. Owner will be ready for sub-bids next week.

Residence and Garage (alts. and add.), Villa Nova, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owners, McIlvaine & Co., care of architects. Carpentry and mill work, plastering, metal lath, plumbing, electric work, iron work, painting and glazing. Architects taking bids due February 1st.

Alterations and Additions, Chester Valley, Valley Forge, Pa. Architect, Louis S. Adams, Radnor, Pa. Owner, Daniel Badger, Jr., on premises. Electric work, cement work, steel and iron work, carpentry and mill work, pine floors, dreadnought tile floors, metal lath, plastering, tile work, hardware, painting and glazing. Architect taking bids due January 29th.

William Penn Hotel (add.), Altoona, Pa. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, Harry L. Wilson, Altoona, Pa. Brick, cut stone, steel, granite, limestone, 6 stories and basement, 129x56 feet, slag roof, composition, cement and maple floors, elevators, metal weather strip, shoring, membrane waterproofing, glazed terra cotta, ornamental iron work, iron stairs, floor hardener, bond, kalamein doors, rolled steel skylights, metal lath, tile and marble work, mail chute, iron grills. Architects taking bids due February 4th.

School, Lansdale, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owners, Lansdale School Board, Lansdale, Pa. Architect taking bids on electric fixtures, acoustical treatment for assembly room, program clock system. Bids due February 4th.

Garage (alts. and add.), Mahanoy City, Pa. Architect, W. H. Lee, 1505 Race street, Philadelphia. Owners, Graham Garage & Supply Co., Mahanoy City, Pa. Reinforced concrete,

steel, 3 stories, 25x41 feet, slag roof, cement floors, steam heat, electric light, elevators, rolled steel sash. Owners taking bids.

Residence, Wynnewood, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Walter E. Lindill, Wynnewood, Pa. Stone, cut stone, brick, steel, 2½ stories and basement, 41x43 feet, tile roof, oak, pine and cement floors, metal lath, tile work, ornamental iron work. Architect taking bids due February 1st.

Apartment House, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Spencer T. Lynch, Drexel Hill, Pa. Brick, steel, 4 stories and basement, 50x125 feet, slag roof, oak and pine floors, steam heat, electric light, tile work, metal lath, ornamental iron work. Architects taking bids due February 1st.

Bank, Norristown, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Montgomery Trust Co., Norristown, Pa. Owners taking bids due February 1st. Brick reinforced concrete, steel, 1 story, 20x65 feet, mezzanine floors in rear, board of directors' meeting room, banking room, new offices, entire new steam heating system, electric light, slag roof, linoleum floors, plumbing, marble work, bronze in grills, check desk, copper flashings. Builders asking for sub-bids due January 28th, 5 P. M.

School (add.), Blackhorse, near Norristown, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owners, School Board of Plymouth, R. Hamman, Conshohocken, Pa. Brick, hollow tile, 2 stories, 50x65 feet. Ready for bids February 15th.

Office Building, East side Valley road, adjacent to Meadowbrook Station. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owner, Wayne Hekness, Land Title Building, Philadelphia. Architect taking bids due January 28th.

Church, State College, Pa. Architects, C. W. Bolton & Son, Schaff Building, Philadelphia. Owners, Faith Reformed Church, State College, Pa. Architects taking bids due February 1st.

Pennsylvania Contracts Awarded

Arcade BBuilding (alts. and add.), Lancaster avenue, West Cricket avenue, Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street. Owner, Harry J. Rittenhouse, Ardmore, Pa. Carpentry and mill work, stone work, brick, painting and glazing, plastering, steam heat, slag roof, electric light, metal lath, ornamental iron work. Contract awarded J. H. Dawson & Son, Foleroff, Pa.

Fire House, 320-22 Center street, Mahanoy City, Pa. Architect, John B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, West End Fire Company, No. 5, Mahanoy City, Pa., care of Mr. H. Urban. Brick, steel, 3 stories, 25x57 feet (plumbing, heating, electric separate bids), slag roof, cement floors, bond, ornamental iron work. Contract awarded Trexler & Knoll, 102 East Market street, Mahanoy City, Pa., \$27,609.

Residence and Garage, Walnut lane, Swarthmore, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, Mrs. Francis White, care of architect. Stone, cut stone, limestone, 2½ stories and basement, irregular in size, shingle roof, cement, canvas and oak and pine floors, painting and glazing, plumbing, metal weather strip, tile, marble work, hot water heat, electric light, ornamental iron work, bond, sheet metal work, linoleum floors, bluestone. Contract awarded Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Y. M. C. A. Building (remodeling), Ardmore, Pa. Architect, A. W. Hall, Otis Building, Philadelphia. Owner, Robert J. Nash, Ardmore, Pa. Steam heat, electric light, cement work, plate glass, plumbing fixtures, general remodeling. Contract awarded S. W. Sargent & Co., 1600 Walnut street, Philadelphia.

Bank, Palmerton, Pa. Architect, E. F. Strassle, 6 East Forty-sixth street, New York City. Owners, First National Bank, A. K. Craig, president, Palmerton, Pa. Brick, cast stone, 1 story. Contract awarded to John H. Wickersham, Appel Building, Lancaster, Pa.

Bridges (3), St. Denis, Elam, Michigan avenue, Chester Township. County Engineer, George Wright, Media, Pa. Owners, Borough Commissioners, Delaware County, Media, Pa. Contracts awarded: St. Denis—C. R. Camp, 10 South Eighteenth street, Philadelphia, \$24,493. Elam—C. R. Camp, 10 South Eighteenth street, Philadelphia, \$8,440. Michigan avenue—Kaufman Const. Co., Pennsylvania Building, \$6,869.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

McKean County, R-469, A-4349, 4291, 4374. One course reinforced concrete. Contract awarded to Fred D. Ross, Bradford, Pa., \$353,511.

Monroe County, R-167-4, Smithfield and Middle Smithfield Townships. One course reinforced concrete. Contract awarded to B. G. Coon Const. Co., Luzerne, Pa., \$104,843.73.

New Jersey Construction News

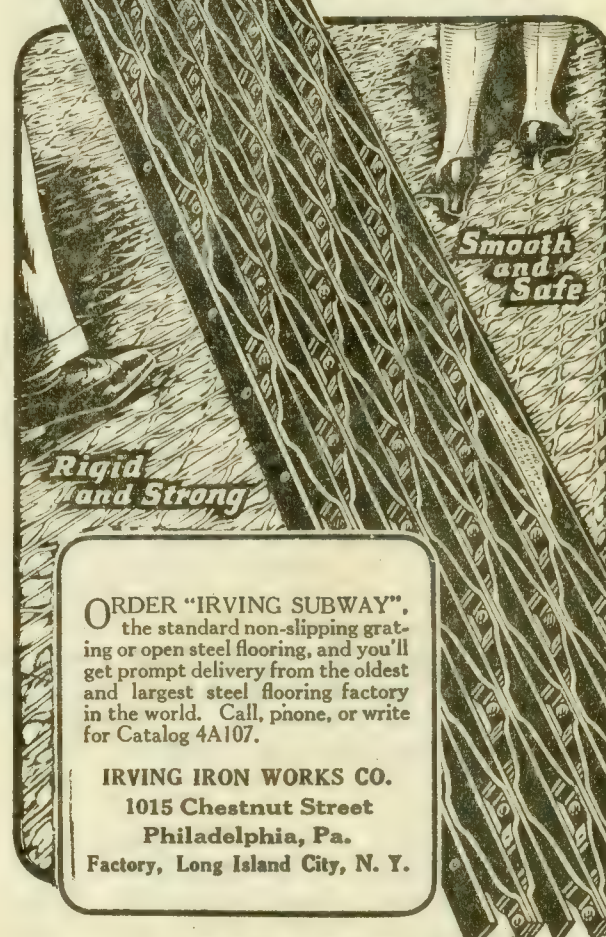
Post Office, Trenton, N. J., \$1,775,000. Architect, James A. Wetmore, Supervising Architect, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Post Office, Camden, N. J., \$1,050,000. Architect, James A. Wetmore, Supervising Architect, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Contemplated. Recommended.

Bank Building, Southwest Corner Broadway and Cooper street, Camden, N. J. Architect, not yet selected. Owners, First National State Bank, F. Morse Archer, president, Camden, N. J. Brick, limestone, steel, stone, terra cotta, 180x80 feet. Work contemplated.

Auto Supply Station, Marlton pike, Camden, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Pep Auto Supply Co., Broad and

Always-When You Need Gratings —

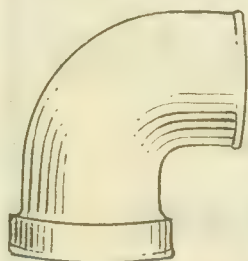


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
FLOORING

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Vine streets, Philadelphia. Brick, steel work. Work contemplated.

Bridge, Tacony, Philadelphia to Palmyra, N. J. Owners, Company, care of Tacony-Palmyra Ferry Co., care of C. A. Wright and E. G. Borer, Riverton, N. J. Work contemplated.

Bridge (auto), Longport to Ocean City, N. J. Owners, City of Ocean City, care of Postmaster Edward M. Sutton, Ocean City, N. J. Work contemplated.

Theatre, Journal Square, Jersey City, N. J., \$300,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co., J. McGuirk, 1916 Race street, Philadelphia. Seating capacity, 5000. Plans in progress.

Theatre, Valley road, West Orange, N. J., \$150,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co., J. McGuirk, 1916 Race street, Philadelphia. Seating capacity, 1500. Plans in progress.

Theatre (alts.), Pleasantville, N. J. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co., J. McGuirk, 1916 Race street, Philadelphia. Seating capacity, 1,000. Plans in progress.

Theatre, Bridgeton, N. J., \$150,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley-Fox Co., Jacob Fox, Riverside, N. J., and J. J. McGuirk and A. Sabloskey, 1916 Race street, Philadelphia. Brick and steel. Plans in progress.

Stores (5), Pleasantville, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owner, Robert Berry, Pleasantville, N. J. Brick, steel, 1 story, 100x60 feet, slag roof, pine floors, metal ceilings, plate glass, copper work, hot water heat, electric light. Revised plans in progress.

Theatre, Millville, N. J. Architect, Thomas Edward Ash, 1700 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 2,000 seating capacity. Preliminary plans in progress.

Store and Apartment (alts.), 520 Federal street, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph P. Levinsky, care of architect. Brick partitions, plumbing, tile work, plate glass. Plans in progress.

Residence, Landis avenue, Vineland, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Brick, stucco, 2½ stories, 22x48 feet, slate roof,

hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Apartment House, Vineland, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Brick, cinder block, 3 stories, 32x68 feet, slag roof, pine floors, electric light, Murphy door beds, incinerator. Plans in progress.

School Building, Merchantville, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Mr. Taylor, Merchantville, N. J. All bids rejected. Revised plans in progress. Will readvertise for bids in two or three weeks.

Apartments (6), Pelham Place, Ocean City, N. J. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Apartment Const. Co., care of architect. Brick, 2 stories, 30x56 feet, asbestos roof, hardwood floors, hot water heat, electric light, tile work. Plans about completed.

School, Northfield, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Northfield School Board, Mr. Harman, Northfield, N. J. Steel, fireproof, 2 stories and basement, 58x160 feet, built-up roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, iron stairs, skylights, tile and marble (heating, plumbing and electric separate). Owners ready for bids.

Residence and Stores (add. and alts.), Atlantic City, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owners, Baul Brothers & Wickham, Atlantic City, N. J. Brick, steel, 1 story, 35x60 feet, slag roof, pine floors, metal ceilings, copper, plate glass, hot water heat, electric light. Architect will be ready for bids at end of week.

Barracks Building, Fort Monmouth, N. J. Architect, private plans. Owners, United States Army, Office of Quartermaster, Fort Monmouth, N. J. Reinforced concrete and brick, 3 stories and basement, 48x225 feet, slag roof, pine floors, steam heat, electric light, ornamental iron work. Owners taking bids due January 27th.

Residence, Margate City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, Mrs. Ida Van Valkenburg, care of architect. Frame, 2 stories, 26x42 feet, slate roof, hardwood floors, tile work, electric light. Architect taking bids.

Grade School, Medford Township, N. J. Architect, Alexander Merchant, New Brunswick, N. J. Owners, Medford Township School Board, Filbert street, Medford, N. J. Brick, steel, 2 stories and basement, 126x72 feet, wing 53x52 feet, composition roof, cement and maple floors, hollow tile, roof ventilators, metallath, terrazzo work, rolled steel skylights (plumbing, heating and electric separate).

rate), architectural terra cotta, waterproofing, architectural terra cotta, metal partitions, metal doors, bluestone, linoleum floors, cinder concrete block, septic tanks. Certified check, 5 per cent. of the bids. Owners taking bids due February 7th, 8 P. M.

New Jersey

Contracts Awarded

Apartment Building, 1549 Asbury avenue, Ocean City, N. J. Architect, private plans. Owner, Robert J. Byron, Stephen Girard Building, Philadelphia. Brick, frame, 3 stories, 20x30 feet, electric light, carpentry and mill work. Contract awarded Elmer Y. Robinson, Ocean City, N. J.

Department Stores (alts. and add.), 129 East Front street, Plainfield, N. J. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owners, Woodull & Martin Co., Plainfield, N. J. Building block, 1 story, 40x40 feet. Contract awarded Adam Valentine, Plainfield, N. J.

Elks' Home (add. and alts.), Atlantic City, N. J. Architect, Oscar Smith, Union National Bank Building, Atlantic City, N. J. Owners, Colored B. P. O. E., care of architect. Brick, steel, 1 story add., 40x90 feet, slag roof, hardwood floors, electric light, tile and marble. Contract awarded to Ralph Maxwell, Pleasantville, N. J.

Building, 1194 Lansdowne avenue, Camden, N. J., \$10,000. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, Camden Meat Co., on premises. Brick, 1 story, 20x50 feet, 20x77 feet 6 inches, slag roof, electric work. Contract awarded to John Onderski, 1036 Everett street, Camden, N. J.

Building (alts. and add.), 508 Federal street, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Herbert M. Margolis, on premises. Block, 1 story add., 20x35 feet, slag roof, new store front, general alterations. Contract awarded to Costanza Brothers, 1540 Mt. Ephraim avenue, Camden, N. J.

Water Tank, Sixth and Jefferson streets, Camden, N. J., \$6,000. Architect, private plans. Owners, Mack International Motor Truck Corp., on premises. Steel water tank, capacity 50,000 gallons. Contract awarded to Chicago Bridge & Iron Works, Chicago, Ill.

Building, Fourteenth and Pine streets, Camden, N. J., \$6,000. Architect, private plans. Owners, Camden Lime Co., 39 South Sixth street, Camden, N. J. Tile and brick, 1 story, 36x93 feet, 19 feet 6 inches x 33 feet, slag roof. Contract awarded to Edward Blizzard, 1411 Bradley avenue, Camden, N. J.

Miscellaneous

Construction News

Municipal Lighting Plant Building, Hagerstown, Md. Consulting engineer, L. T. Klauder, Bankers' Trust Building, Philadelphia. Owners, City of Hagerstown, Md. Reinforced concrete, brick, granite, steel, 2 stories, gallery and basement, 122x162 feet, gypsum slag roof, cement floors, plumbing, ornamental terra cotta, ornamental iron work, bond, fire

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron Gates and Fencing, Pipe Work of all Kinds—Bent and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

and steel doors, rolled steel sash. Owners taking bids due January 31st.

Factory Building and Boiler House, Baltimore, Md. Architects, Clark, McMullen & Riley, 101 Park avenue, New York. Owners, Crosse & Blackwell, Baltimore, Md. Reinforced concrete and brick, 3 stories and basement, 180x120 feet (plumbing, heating, electric, elevator, sprinkler separate), slag roof, cement floors, rolled steel sash, ornamental iron work. Architects taking bids due January 31st.

Rectory, Wilmington, Del. Architect, George I. Lovatt, 225 South Sydenham street, Philadelphia. Owners, St. Peter's Pro-Cathedral, Rt. Rev. Bishop Fitzmaurice, Wilmington, Del. Brick, 3 stories, 40x100 feet, composition and tile roof, hardwood floors, electric light, tile work. Architect taking bids due February 1st.

Weiss Construction Company, Builders, have opened offices at 901 Walnut Street, Philadelphia, and want bids from sub-contractors. Their telephone numbers are: Bell, Walnut 3747; Keystone, Main 5158.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., January 21, 1927.—SEALED BIDS in duplicate will be received until 3 P. M., February 25, 1927, and then publicly opened, for furnishing all labor and materials and performing all work for the construction of the United States Post Office at Lewistown, Pa. Drawings and specifications may be obtained from the Custodian of the site at Lewistown, Pa., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from page 52)

chairman of the engineering committee. John Klorer, who was city engineer when work on the code was commenced, later was elected commissioner of public property, and by nature of his engineering training, was able to appreciate the engineering importance of the new building laws.—*Engineering News-Record*.

PLANNING THE NEW BUILDING

By FRANK P. CARTWRIGHT

(The appended article on "Planning the New Building" appeared in *Industrial Power*, November, 1926.)

What kind of a building should be built to house the new addition? This is the question, according to construction statistics, which several thousand industrial executives are asking themselves each year. Shall it be brick-walled, with heavy timber floors; shall it be steel-framed throughout, with floors of concrete; or shall it be of reinforced concrete entirely? The question very often is answered by the consulting engineer or architect called in to execute plans and supervise construction. Sometimes it is settled when the consultant is chosen, for many engineering and architectural firms

are known to be specialists in one or another of the major construction types.

Precedent also plays a part. Often, in spite of its greater cost or manifest disadvantages for his purpose, the executive is unconsciously reluctant to depart from the construction which characterizes his existing buildings. Certain types of buildings are customary and familiar in specific industries or in certain parts of the country. Heavy timber construction, for example, is following the textile industry from New England, where it was first developed, to the South, where vast timber resources promise generous supplies of material for many years to come. Reinforced concrete is apt to be a favorite where heavy floor loads and wide spans are necessarily combined.

The engineer consultant, in the last analysis, is best equipped to select the most suitable construction type. It is the purpose of this article, however, to discuss simply some of the considerations which should govern selection, and to assist the business executive in making sure that no important factor has been overlooked.

New Building a Problem in Economics

A new building is primarily a problem in economics. Considerations of original cost, maintenance and repair charges, useful life, salvage value, etc., must be balanced against comfort, convenience, fire resistance, etc., which in turn are expressed financially through their influence on production. There are four more or less clearly defined types of construction in use for large industrial buildings:

1. Buildings with reinforced concrete columns, floors and walls.
2. Heavy timber construction, with wooden columns, beams and floors, and masonry sidewalls.
3. Steel framed buildings with concrete floors and light masonry sidewalls.
4. Steel framed buildings with sheet steel siding.

Costs

Original costs depend on time and place, the cost and availability of raw materials and labor, and the familiarity of contractors with different types of work. For industrial buildings heavy timber construction is usually cheaper in first cost, but because of local conditions this relation may be reversed at times in favor of steel or concrete.

An investigation made in 1916 in the Chicago district showed that for a large number of buildings the average cost of heavy timber construction ranged from 80% to 90% that of reinforced concrete. In a specific case, in which a reinforced concrete building was duplicated as nearly as possible in heavy timber construction, the latter structure cost only 76.5% as much as that of concrete. Reinforced

concrete buildings in the New England States during the period of 1910-17 cost from 5% to 15% more than heavy timber construction, and structural steel buildings from 10% to 25% more. In 1920, because of the relatively high cost of brick and timber, this differential had practically disappeared, but a recent canvas of consulting engineers in New England shows that for buildings not more than five stories in height, heavy timber construction now costs from 5% to 25% less than reinforced concrete or steel framed structures. Of these latter, in turn, reinforced concrete is reported somewhat more economical than structural steel for low buildings and the reverse is generally true for high buildings.

Comparative costs are summarized below for 20 large industrial buildings erected between 1922 and 1924 at points widely distributed over the Eastern States:

Type of Building—Masonry walls, wood columns, beams and floors; No. of Projects—8; *Average cost per sq. ft. area—\$1.45.

Type of Building—Reinforced concrete walls, columns, beams and floors; No. of Projects—6; *Average cost per sq. ft. area—\$2.09.

Type of Building—Masonry walls, steel columns and beams, wood floors; No. of Projects—2; *Average cost per sq. ft. area—\$1.77.

Type of Building—Masonry walls, cast iron columns, wood beams and floors; No. of Projects—1; *Average cost per sq. ft. area—\$1.84.

Type of Building—Masonry walls, cast iron columns, steel beams, wood floors; No. of Projects—1; *Average cost per sq. ft. area—\$1.97.

Type of Building—Masonry curtain walls, concrete columns and beams, wood floors; No. of Projects—1; *Average cost per sq. ft. area—\$1.57.

Type of Building—Masonry curtain walls, concrete columns, steel beams, wood floors; No. of Projects—1; *Average cost per sq. ft. area—\$1.95.

A detailed estimate recently prepared by a firm of consultants to discover the cost of a seven-story warehouse using different construction types showed the following results:

	Cost per sq. ft. of Floor Area
Steel frame, brick walls, laminated wood floor.....	\$2.23
Concrete frame, brick panel walls, laminated wood floor.	1.96
Steel columns, brick walls, wood beams and floor.....	2.02

*These figures are exclusive of heating, lighting, ventilating, plumbing, sprinklers, elevators, and other service equipment. They relate strictly to the structural parts of the building.

These figures include all construction costs and allowance for overhead. They do not constitute a comparison of distinct construction types, but indicate strongly that such comparisons are worth while from an economy viewpoint.

Speed of Erection

Often the new building is needed in a hurry. Under such conditions the delay necessary for concrete to cure and gain its strength or for plaster, fireproofing and other interior finish to dry out, must be avoided. In these cases, the use of heavy timber construction is indicated, since no interior finish or fireproofing is necessary, and the structure can rise as fast as men can lay brick and drive nails. The saving in carrying charges due to shortened construction periods also amounts to a considerable item.

Brick masonry which is to receive heavy loads within a short period after it is laid, should be put up with mortar having a high proportion of portland cement in it, as lime mortar sets more slowly. Where reinforced concrete is insisted upon, greater speed of construction can be secured at a somewhat increased expense by the use of a newly developed kind of hydraulic cement which gains strength more rapidly than the familiar types.

Useful Life of Building

Building for durability often receives more emphasis than it deserves. The prospective useful life of any of the construction types under discussion is much greater than the existence which can be predicted with confidence for the industry which it houses.

There are many buildings of heavy timber construction which have been in use for a century or more. Structural steel and reinforced concrete are comparatively recent developments in industrial building but there are few reasons for believing that they will not be almost as durable. If reasonable measures are taken to prevent corrosion of metal, decay of wood and disintegration of concrete, the builder may dismiss durability, as an important factor, from consideration, and devote himself to securing at least cost a construction type which offers greatest economy and serviceability.

Maintenance Costs

Exact data are not available on the relative maintenance charges for industrial buildings of different types and probably would have limited application if they could be obtained, since the expenditures for such purposes depend greatly on the occupancy, and the carefulness with which the building is kept up. Maintenance charges can be greatly reduced by attention to details and by avoiding opportunities for depreciation as far as possible.

Steel framing should be kept well

painted, especially when exposed to smoke, fumes or moisture, or where used in poorly heated buildings. Sudden temperature changes in such buildings, coupled with high relative humidity, bring about condensation of water on the metal and resultant corrosion. The design should avoid surfaces not accessible to the paint brush, and places where dirt or moisture may collect.

Both steel and timber should be carefully protected against deterioration where the ends of the members rest upon floors or masonry walls. Openings should have their bases elevated above floor level. The elimination of concealed spaces, which is the essential characteristic of heavy timber construction, helps to detect any tendency toward deterioration and to check it promptly. Plank or laminated timber floors should be free to move on the supporting beams and girders and should have room for expansion and contraction due to moisture changes.

Concrete floors should be laid very carefully to avoid disintegration or "dusting" under traffic. The finished surface should be kept damp for at least two weeks after it is laid. If it still crumbles there are a number of chemicals which help considerably to check disintegration.

Care should be used in selecting and applying paint. Paint not only protects against deterioration, but also influences greatly the efficiency of workers and the amounts spent for lighting. Both steel and wood are often insufficiently painted. Tests at Iowa State University of steel panels painted with compounds recommended by different manufacturers showed 96 panels out of 139 rusted and pitted after an exposure of only two and one-half years. Tests by the National Electric Light Association show a wide range in the reflective powers of painted interiors, with corresponding influence on the lighting efficiency of windows or artificial light sources. There are a few paints which can be washed effectively and there are many which will not stand scrubbing. The former cost a little more, but they pay big dividends in reduced maintenance.

Masonry exterior walls seldom require attention. Observations on reinforced concrete buildings in use for some years indicate that the concrete should be at least two and one-half inches thick outside of the reinforcement steel to insure against corrosion and resultant damage.

Except under extreme conditions the durability of floors is subordinate to their service aspects. Assuming competent design and care in construction, floors and mechanical equipment are ordinarily the only parts of the buildings subject to wear. Both wood and concrete, properly protected against decay and disintegration, have shown satisfactory durability under a wide range of conditions. Wood or some other resilient surfacing is very

desirable where foot traffic is heavy. Wood is less slippery when oil soaked, and less noisy than concrete. When worn out, wood floors are more easily and successfully replaced than worn concrete surfaces, and changes or repairs to plumbing, heating and other mechanical equipment are usually more convenient with wood floors.

Salvage

Due to the rapid growth of American cities and of industrial enterprises, the removal or extensive alteration of industrial buildings often becomes necessary before they are threatened with physical disintegration. The relative expense and difficulty of such removal and the possibility of salvage is, therefore, an important consideration in selecting construction types. From this viewpoint the reinforced concrete building is strongly at a disadvantage. It is not unusual for wrecking companies to ask from 15% to 50% as much for wrecking and removing a well-built, reinforced, concrete building as would be asked for its erection. Practically no salvage value attaches to the debris and its disposal involves expensive hauling. Some scrap steel usually is recoverable from steel-framed structures, but the amounts realized are insufficient to pay more than a small proportion of the wrecking cost. Heavy timber construction, if properly built, is so constructed that it can be readily taken down. In most types the heavy plank floors are not fastened to the supporting timbers and in practically all cases the steel caps and bearings, by which columns and beams are attached to each other and to the walls, are of a nature permitting quick detachment. Second-hand bricks recovered from the massive walls of such buildings are a recognized article of commerce in most large cities, and find a ready market for backing and foundations in new structures.

In fact it is often true at present and may well be true in the future that timber recovered from a building of this type will be worth more as salvage than it cost when new, and that the material having served its purpose in the building, will pay fair dividends as an investment.

Fire Resistance

The relative fire hazard involved in buildings of heavy timber, steel-framed and reinforced concrete construction is a consideration deserving careful attention of the industrial executive. Because wood will burn and certain other materials will not, there has been of late a tendency on the part of the building public to assume that structures built in whole or in part of wood are necessarily more subject to fire or are more dangerous to the occupants as fire hazards than are buildings constructed entirely of non-combustible materials. There has been, naturally, no effort on the part of those selling com-

peting materials to dispel this impression, and timber manufacturers find themselves under the necessity of presenting an analysis of the situation, which prospective builders are often competent to make but which they are apt to overlook in deference to prevailing opinion.

Fire can occur in a building, either through communication from another building or through occurrence of the fire in the building itself. Fires of the former type are comparatively rare, only one or two in a hundred being thus caused. To such fires all the major types of industrial buildings having masonry exteriors oppose substantially equal fire resistance, this resistance being measured by window protection, since exposure will practically never produce dangerous effects on a blank masonry wall. Where the character of exposure from nearby buildings and the value of their contents justifies it, buildings of all types should have adequate protection for wall openings. Without such protection there is little choice between heavy timber, steel or concrete buildings as safeguards against fire exposure from without.

Occurrence of fires within buildings also is independent of the structural materials used. The relative desirability of different construction types depends on three considerations: 1. Will the structure stand up and support its contents during a period sufficient for the firemen to extinguish the flames, or for the contents to be entirely consumed? 2. Will the materials of construction prevent communication of fire from one part of the floor or the building to another? 3. Will the damage occasioned by a fire be markedly greater with one type than with another?

Answering the first of these questions, fire tests on a large scale and experience with different types of buildings in actual practice indicate that properly designed reinforced concrete construction will retain its strength and support its live loads for a period greater than the duration of the average fire. If the fire is exceedingly hot, sufficient to melt the concrete, or if of greater duration than usual, no form of construction will suffice to prevent extensive damage. Steel frame construction, if protected throughout with several inches of concrete, brick work or hollow tile, will approximate the endurance of reinforced concrete construction, though its performance in this respect is not so uniformly dependable. Unless thus protected, its resistance to failure, perhaps involving collapse of the entire building and extensive loss of property, is much briefer than that of heavy-timber construction. Structural steel loses practically all its strength at a temperature approximately one-half that attained in the ordinary fire. Steel columns tested under load at the Underwriters' Laboratory, in Chicago, gave way in about ten minutes, whereas unprotected wooden

columns designed for the same loads retained their strength under fire exposure for about twenty-five minutes. Wood does not lose its strength because of heat and continues to support its loads until the beam or column has burned through. The fire resistance period of heavy plank floors is probably even greater than that of timber columns. A report of the Insurance Engineering Experiment Station, of the Boston Manufacturers Mutual Fire Insurance Company, as the result of many years observation, states that "wherever the mill-floor (heavy timber), suitably constructed of three-inch plank, grooved and splined, covered with one-inch top boarding, laid on timbers eight or ten feet on centers, has been made continuous * * * it has never been burned through by a fire upon the floor or by fire passing through the floor above, except in one instance, and that was in a warehouse where a pile of jute bales took fire in the bottom tier where it could not be reached. Fires on such mill-floors have been held not only in the building, but in the room where they originated."

The optimistic glamour which for years has surrounded the expression "fire-proof building" is rapidly being dissipated. It is becoming more widely recognized that contents rather than structure constitute the major fire hazard; that contents have an average value over three times that of the building; and that no building is proof against extensive damage by fire as long as its contents are inflammable. It is far better to spend a few thousands less on the floors, walls and roof and use the difference to install a complete sprinkler system, with its almost certain promise of early extinguishment, than to erect an expensive structure of incombustible materials and trust to luck that a fire will not occur.

Much can be said in favor of each of the construction types ordinarily used for industrial buildings. Architectural and engineering firms are quite apt to prefer one or another of these types and to present its advantages most convincingly. The fact remains, however, that with careful planning and adjustment, practically all requirements of serviceability and durability can be achieved with either type. Plant executives having in mind special requirements or economy in building should inform themselves on the possibilities of each type, and in particular should insist more frequently on detailed estimates showing the relative cost of different types for their purposes.

LOWERING BUILDING COSTS WITHOUT LOWERING QUALITY

That tens of millions of dollars could be cut from the nation's annual building bill by a simple expedient, which enough people have tried to prove it, is the tenor of

a statement contained in a report just received from the National Committee on Wood Utilization of which Secretary of Commerce Herbert Hoover is chairman. It is made on the authority of a sub-committee on construction consisting of 29 members, of which 14 are prominent architects and the balance are building engineers and authorized representatives of many great national associations of architects, builders, and contractors.

The cost of construction today has become a matter of vital concern not only to the builder and contractor, but to the consumer or ultimate home-owner, as well. In the struggle to reduce these costs, it is often claimed that the quality of building construction has been materially lowered. According to this report, however, not less than 100 million dollars could be saved by better utilization of the present amount of timber cut each year; that is, by using that portion of the product which while of equal quality is now wasted.

This waste is short lumber which in close utilization would be 20 per cent or more of the total product. The report shows from a survey of building plans calling for nearly a million feet of lumber that the short cuttings required or permitted by the plans amount to 19.59 per cent in framing material; 26.13 per cent in the common boards, and 51.49 per cent in the finish and trim of dwellings. In each case the percentage is of the total lumber consumed for that use, and the short lumber is 1 to 7 feet in variations of 1 foot. The revised lumber bills thus figured were constructed on the basis of taking every short cutting from the shortest commercial length that would provide it, leaving a cutting waste of 1 foot or less. As the lengths of lumber 8 feet and above vary by 2 feet, the wasted ends may be anything up to 2 feet, and the footage required in the short lumber is, therefore, not much greater than with long lumber. Contrary to common argument, the carpenter labor in trimming is not much greater, because most of the short lumber has at least one end trimmed on a swing cut-off saw table instead of at the sawmill green lumber trimmer, and probably true enough for use without retrimming by hand, in framing, sheathing, and other unexposed joints.

The saving in cost per thousand feet should, however, far outweigh any small added cost of trim waste or labor, the report indicates. "since it is the general practice of mills throughout the United States to quote short lengths 15 to 35 per cent below the prices asked for long lengths of equal grade."

Because the buyer for building uses has shown little or no interest in short lumber his retail yard may not be carrying it: but any new volume of inquiry would soon bring the material within reach, for the retailer can readily secure it.

End-matched flooring is becoming widely popular and furnishes a very effective field for short lengths in the flooring softwoods; and end-matched ceiling, partition, drop siding and even sub-flooring and sheathing will probably follow and give a farther outlet for short material. Another sub-committee of the National Committee on Wood Utilization is preparing a supplementary report on such end-matched building patterns.

The tables of the report are extremely useful, as they show for each type of dwellings just what lengths can be used, and for what purposes; and the left half of the table shows what short lengths were specified on the original lumber bills that accompanied the plans. For framing this specified use averaged 1.58 per cent or about one-thirteenth (1-13) the possible or "permissible" use shown on the right-hand side of the tables.

Copies of the report can be obtained from the Superintendent of Documents, Washington, D. C., ("THE MARKETING OF SHORT LENGTH LUMBER;" 28 pages, 13 illustrations, 7 tables, price—ten cents per single copy and \$4.00 per hundred in quantity.)

NEW SPECIFICATIONS FOR IMPROVED SHEET STEEL CORNICES

Handsome, durable and entirely free from the hazard of falling are inherent advantages of sheet steel cornices being recognized nowadays by architects, architectural engineers, specification writers and builders. To meet the growing demand for this type of cornice, standard specifications for fabrications and setting of sheet steel cornices have just been brought out by the Sheet Steel Trade Extension Committee.

Falling of pieces of heavy cornices, maiming and killing citizens in several cities during the past year, has given marked impetus to the use of improved sheet steel cornices. The thought that a citizen may not walk along the sidewalk or near a public building without the possibility of a piece of heavy material hurtling down with the suddenness and destruction of a lightning stroke is repugnant to liberty and safety.

The aim of the new specifications is to enable the architect and the builder to get materials and workmanship even superior to that of the old-time master sheet metal worker. Many of the old cornices have been in service for fifty years and have given ample evidence that a good sheet steel cornice has a life equal to that of the building. Not always, however, did the old cornices show beauty in design. When it was found that the many good qualities of sheet steel cornices met modern building conditions better than heavy and more expensive material, several notable and inspiring designs were executed.

Among these were the cornices on the handsome brick and tile home of the City Club of St. Louis, the Wesley Hospital in Wichita, Kansas, the Mayflower Apartments in Louisville, Kentucky, and the Hotel Kimball in Springfield, Massachusetts.

The Sheet Steel Trade Extension Committee lists among the other good points of sheet steel cornices, the following:

Incombustibility.

Freedom from falling, even in fire or earthquake.

Lightest possible overhung weight.

Greatest strength and greatest safety.

Lowest cost and maintenance charges.

Surety against dangers of leakage in set back construction.

Safety against temperature stresses.

The specifications are published in the form advised by the American Institute of Architects and carries the file number A. I. A. 12L2.

Copy will be sent architects, architectural engineers, specification writers and builders on request addressed to Sheet Steel Trade Extension Committee, Oliver Building, Pittsburgh, Pa.

NEW METHOD FOR ANALYZING HYDRATED LIME DEVELOPED BY BUREAU OF STANDARDS

A method for analyzing hydrated lime has been recently developed at the Bureau of Standards, Department of Commerce, by which more information is obtained than by the usual chemical analysis.

The method consists, briefly, in heating a sample of the material in question, which may be a hydrated lime, mortar or similar material, at succeeding temperatures for short periods of time, determining the loss in weight after each heating.

From the data thus obtained a curve, temperature against loss in weight, is plotted. In this curve sudden changes in direction appear, from which the loss in weight due to various compounds may be determined, and from which the percentages of these compounds themselves are readily calculated. By this means it is possible to determine the percentage of calcium hydroxide and magnesium hydroxide, and to a certain extent also calcium carbonate, in such a material.

Using this method a considerable number of commercial hydrated magnesium limes have been studied, and it has been found that the magnesia content is in general, hydrated to only a very small extent; in other words, very little magnesium hydroxide is present. The magnesia, however, does combine with water in time, indicating that improved methods of treatment may possibly give a material in which all the magnesia appears as hydroxide.

EXPENSIVE HIGHWAYS

The exhibits of the Good Roads Show in Chicago, January 10-14, featured practically every material used for road building, for the roadbed and for the drainage structure. One is prone to comment on the thoroughness with which the whole business for road building is being studied. The country has rightfully viewed seriously the problem of obtaining the better avenues of transportation necessitated by vehicular changes in the past decade or more. Highway departments have become an important unit in the government of a State, their personnel has increased, more roads and bridges have been built, taxes have increased correspondingly, but because many people own automobiles and enjoy good roads they have accepted this burden of increased taxes, if not willingly, then as a necessary evil.

The interests of these tax payers are not being honestly served, however, unless impartial consideration is given to all materials of construction. The person or persons upon whose shoulders lies the responsibility for selection of types of structures should not, in fairness, allow familiarity with some one material to preclude consideration of another which experience has proved to be satisfactory in every way, and which costs much less than some materials they may have used in the past.

The money spent for expensive drainage structures with the unnecessary ornate approaches and designs would go much further if spent for less expensive but equally substantial creosoted timber structures. More structures could be erected and more money made available for improvement of the road itself, or with the same amount of construction there could be a reduction of taxes, and there is no community in which this would not be welcomed.—*Wood Preserving News*.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of the virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—*Elbert Hubbard*.

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE

Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES

Service Supply Corporation,
20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co....Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation, 20th and Venango Sts.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co....1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr.,829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co.Otis Bldg., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

DOOR BEDS

Murphy Door Bed Co....512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co.Otis Bldg., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co....2313 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co....1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America....1600 Arch St.
Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.
Smith-Austermuhl Co.Camden, N. J.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co....11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co.5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co.Norris and Richmond Sts., Phila.
Ketcham, Howard,3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co....435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co.Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Joseph SterlingCamden, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.

ROOFING

Benjamin Foster Company,
20th and Venango Sts., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co.7254 Paschall Ave., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.

ROOFING SLATE

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING TILE

Chapman Slate Co.Bethlehem, Pa.

RUBBER FLOORING

Ketcham, O. W.121 N. 18th St., Phila.

SAFETY GUARDS

Hamilton Rubber Mfg Co.2317 Walnut St., Phila.

SAND AND GRAVEL

Selby Battersby & Co.810 Noble St., Phila.

SCAFFOLDING

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

SEWER PIPE

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SHEETROCK (Wall Board)

Patent Scaffolding Co.2835 Bridge St., Phila.

SHOWER BATH SHIELDS.

Clausen, Wm. H.27th and Diamond Sts., Phila.

SOUNDINGS

Pearce Fireproof Co.1911 N. 2nd St., Phila.

STEAM SPECIALTIES

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

STELL SASH

Lehman, L. H.1210 N. 8th St., Phila.

STONE

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SPECIALTIES

Edwin Elliott Co.560 N. 16th St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumbold Rd., Chestnut Hill, Pa.

"SURETY BONDS"

Smith-Austermuhl Co.Camden, N. J.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

TERRA COTTA SEWER PIPE

Ketcham, O. W.121 N. 18th St., Phila.

TILE AND TERRAZZO WORK

Belf Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

TRANSITS

Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.

TRANSITS

Weber, F., Co.125 S. 12th St., Phila.

TRANSITS

Well, J. H., Co.1315 Cherry St., Phila.

TRANSITS

H. C. L. Miller1101 N. Front St., Phila.

TRANSITS

Ketcham, Howard3rd and Girard Ave., Phila.

TRANSITS

Pearce Fireproof Co.1911 N. 2nd St., Phila.

TRANSITS

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

TRANSITS

Clausen, Wm. H.27th and Diamond Sts., Phila.

TRANSITS

Fleck Bros. Co.50 N. 5th St., Phila.

TRANSITS

Philadelphia Gas Range Co.1026 Arch St., Phila.

TRANSITS

Anti-Hydro Waterproofing Co., 24th and Parkway

TRANSITS

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

TRANSITS

Phila. Building Material Co., 1209 N. Taney St., Phila.

TRANSITS

Benjamin Foster Company,
20th and Venango Sts., Phila.

TRANSITS

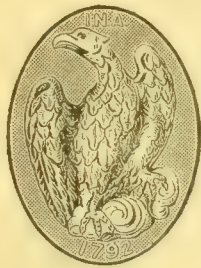
Master Builders Co.Otis Bldg., Phila.

TRANSITS

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

TRANSITS

Seal-A-Void Co.1126 So. 11th St., Phila.



1792 1926

*"The Oldest
American
Fire and Marine
Insurance
Company"*

When you go to a North America agent for insurance, all you pay are the premiums. His service costs you nothing. It includes complete information on the various forms of insurance protection, practical advice on the best policies for your purposes, and inspection of your property and business risks as often as you wish it.

Consult your agent as you would your lawyer or doctor.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

You Can Lay Permanently Hard and Waterproof Concrete in Freezing Weather with the Aid of "ANTI-HYDRO"



In this carpet factory the concrete floors were both hardened and waterproofed in one operation with the aid of "ANTI-HYDRO." The floors are so hard that they never dust up and fill the air with gritty dust to settle in the machinery.

"ANTI-HYDRO" has an added value for cold weather work. It lowers the freezing point of concrete and cement mortars to 15 degrees F., making it possible to work during extremely cold weather and finish your contracts on time with prompt payments for completed work.

Being a liquid integral compound, "ANTI-HYDRO" is easy to use. Simply mix it with the gauging water—no skilled labor required. For 22 years "ANTI-HYDRO" has been the accepted standard. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials "Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 5
February 2, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

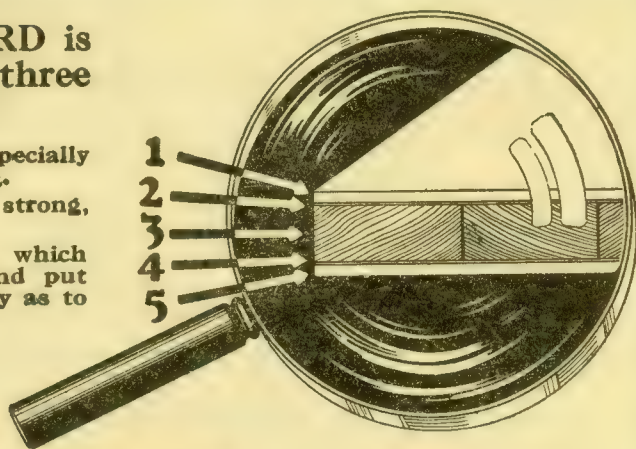
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.

LIBERTY

WHERE THIS BOOK GOES
SO DO WE
NO JOB TOO BIG OR TOO SMALL
A COMPLETE INSTITUTION
IN ALL ITS BRANCHES

HOUSE AND WINDOW CLEANING COMPANY

629 CHESTNUT STREET, Philadelphia, Pa.

BELL PHONE: LOMBARD 6400

OUR 15 YEARS EXPERIENCE YOUR GUARANTEE

SERVICE SUPREME
SKILLED WORKMEN
ALL JOBS PERSONALLY
SUPERVISED BY EXPERTS
OUR PRICES ARE RIGHT
AND HARD TO BEAT

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

MURLIN

MANUFACTURERS OF

Cast

Exterior Ornamental LIGHTING

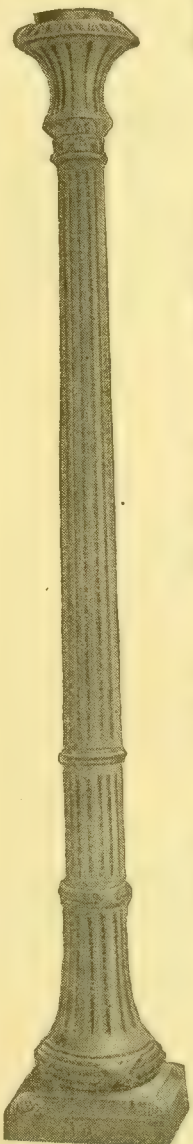
The proper lighting of Developments will rapidly increase the sale and value of Real Estate.

It has become an essential to Builders and Real Estate Developers.

Our Engineering Department is in a position to take care of your requirements.

MURLIN MFG. CO.

5420 PASCHALL AVENUE
PHILADELPHIA, PA.



INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative

1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

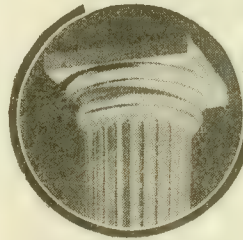
EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL

SANITARY METAL BASE, WINDOW STOOL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

SHEETROCK WALL BOARD

TEXTONE WALL FINISH
GY-P-LAP FIREPROOF SHEATHING

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

BRICK

BYWOOD SCHOOL

on Garrett Road in Bywood is an excellent example of true Philadelphia Colonial brickwork.

There is probably no suburban school more quaint or attractive in its adaptation of the Colonial than this latest work of

HORACE W. CASTOR, Archt.

Beauty with Economy can always be secured by specifying for face brick

EXCELSIOR ANTIQUES

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many types of sash can be filled from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

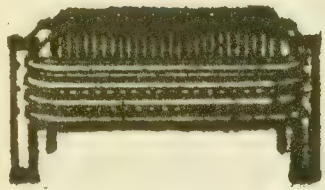
Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

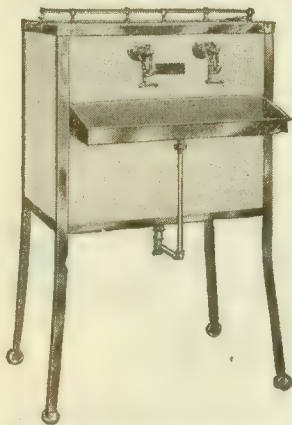


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°

But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

Everything for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII

Number 5

PHILADELPHIA

February 2, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital (interior alts.), Girard avenue, between Sixteenth and Seventeenth streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Joseph's Hospital, on premises. Plans in progress.

Apartment House, 4734 Kingsessing avenue, Philadelphia. Architect, W. L. Charr, Victory Building, Philadelphia. Owner, care of architect. Brick, steel, 3 stories, 25x70 feet, slag roof, pine and hardwood floors, steam and oil heat, electric light, metal lath, tile and marble work, hollow metal skylights, bond, ornamental iron work, cast stone. Plans in progress.

Church, Twenty-ninth and Allegheny avenue, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, Corpus Christ Roman Catholic Church, Rev. F. J. Kane, on premises. Stone, steel, limestone, 1 story and balcony and basement, 82x65 feet, wing 48x99 feet, slate roof (plumbing, heating and electric reserved), maple and pine floors, metal lath, tile work, terrazzo work, rolled steel sash, kalamein doors, ornamental iron work, bronze, waterproofing, travertine, bluestone. Architect taking bids due February 3rd, 10 A. M.

Building (alts.), 1704 Walnut street, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, name withheld. Hardware, brick work, stair work, cabinet work, carpentry and mill work, plastering, metal lath, iron work, concrete and cement work, oak floors, metal lath, tile and

marble work, bulk windows, steel sash, cut stone, painting and glazing. Architects taking bids due February 7th.

Sales Service Building, Broad and Hunting Park avenue, Philadelphia. Architect, Philip H. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Preiss Nash Motor Co., on premises. Reinforced concrete, brick, steel, 2 stories and basement, 111x133 feet (plumbing, heating, electric reserved), slag roof, cement floors, metal lath, tile work, rolled steel sash, ornamental iron work. Architect taking bids due February 5th.

School (alts. and add.), Southeast Corner Third and Fitzwater streets, Philadelphia. Architect, S. J. Laschenski, Harrison Building, Philadelphia. Owners, St. Stanislaus' (Polish) Church, Rev. J. Gadzikl, on premises. Brick, steel, 3 stories and basement, 30x68 feet, plumbing, heating, lighting, slag roof, maple floors, ornamental iron work. Architect taking revised bids due February 9th at 1 P. M.

Bank Building and Apartment Building, Seventeenth and Tioga streets, Philadelphia. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Tioga Trust Co., Seventeenth and Tioga streets, Philadelphia. Architect taking bids on revised plans due February 4th.

Apartment House, Northeast Corner Forty-second and Spruce streets, Philadelphia, \$500,000. Architect, private plans. Owner, N. Litman, 1597 North Fifty-second street, Philadelphia. Steel, brick, limestone, 4 stories, 47 feet 9 inches x 170 feet, slag roof, hardwood

floors, elevator, metal weather strip, damp-proofing, vapor and oil burner heat, electric light, metal lath, tile and marble work, fire and kalamein doors, ornamental iron work, brass pipe. Owner and builder taking sub-bids due February 15th.

Apartment Buildings (2), Chester and Faragut terrace, Philadelphia, \$200,000. Architect, J. S. Fuller, 26 South Fifteenth street, Philadelphia. Owners, David Sorkin & Son, Northeast Corner Forty-eighth and Chester avenue, Philadelphia. Steel, brick, limestone, 4 stories, 95x100 feet, slag roof, hardwood floors, 2 elevators, roof ventilators, metal weather strip, damp-proofing, terra cotta, wire work, cast stone, brass pipe, iron stairs, ornamental iron work, fire and kalamein doors, tile and marble work, metal lath, electric light, vapor and oil burner heat. Plans in progress. Owners and builder will take sub-bids April 1st.

Apartment House, 4529 Spruce street, Philadelphia, \$300,000. Architect, private plans. Owner, Samuel Elgart, 5230 Parkside avenue, Philadelphia. Brick, steel, limestone, 4 stories, 60x125 feet, vapor heat, oil burner, electric light, tile and marble, kalamein and fire doors, ornamental iron work, iron stairs, metal weather strip, elevators, wire work, cast stone. Owner and builder taking sub-bids due February 10th.

Apartment Building (alts.), 3607 Haverford avenue, Philadelphia, \$20,000. Architect, private plans. Owner, Samuel Seltzer, 4064 Parkside avenue, Philadelphia. General alterations,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

3 stories. Owner will build and is taking sub-bids due February 5th.

Apartment Building, Northeast Corner Forty-eighth and Osage avenue, \$300,000. Architect, J. S. Fuller, 20 South Fifteenth street, Philadelphia. Owner, Louis Elgart, 5312 West Berks street, Philadelphia. Steel, brick and limestone, 4 stories, 110x110 feet, slag roof, hardwood floors, elevators, (2) roof ventilators, metal weather strip, dampproofing, wire work, terra cotta, brass pipe, ornamental iron work, iron stairs, metal lath, tile and marble work, vapor heat, oil burner, electric light. Owner and builder taking sub-bids due April 1st.

Warehouse (alts.), 620 Callowhill street, Philadelphia. Architect, N. G. Galucci, 7901 Eastwick avenue, Philadelphia. Owner, I. Salis, on premises. Brick, 4 stories, 15x60 feet, general interior alterations, stair work, carpentry and mill work, etc. Plans completed. Owner will take general bids in spring.

Apartment (alts.), Frankford and Church street, Philadelphia. Architect, Christian H. Fries, Frankford and Oxford street, Philadelphia. Owner, Joseph Donohue, on premises. Interior alterations, electric light, hardwood floors, tile work, plumbing, gas piping, sheet rock, kitchen equipment, mill work and carpentry, hardwood floors. Plans completed. Owner taking sub-bids.

Residences (60), Fifty-eighth and Elmwood avenue, Philadelphia. Architect, private plans. Owner, George B. Armstrong, 4721 North Fifth street, Philadelphia. Brick, 2 stories, excavating, plastering, hot water heat, slag roof, hardwood floors, plumbing, hot water heat, electric light. Plans in progress. Owner will be ready for bids in two weeks.

Cafeteria (alts.), Eighth and Market streets, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Gimbel Brothers, Eighth and Market streets, Philadelphia. Architects will take new bids on revised plans in two weeks.

Apartment House, South side Pine street, between Forty-seventh and Forty-eighth streets, Philadelphia, \$750,000. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owners, Bobbs, Herman & Pepper, 1216 Bankers' Trust Building, Philadelphia. Brick, steel, stone, 8 stories, 110x204 feet, 142 apartments, elevators, hardwood floors, vapor heat, electric light, tile work, slag roof. Owners taking sub-bids.

Residences (66), Third and Spencer streets, Philadelphia. Architect, private plans. Owner, Herman Britsch, 523 Nedro avenue, Philadelphia. Brick, steel, 2 stories and basement, 16x40 feet, slag roof, oak and pine floors, hot water heat, electric light, ornamental iron work. Owner taking sub-bids.

Storage Building, 8130 Eastwick avenue, Philadelphia, \$10,000. Architect, private plans. Owners, F. W. Mark Const. Co., 333 Commercial Trust Building, Philadelphia. Brick, 1 story, 73 feet 6 inches x 108 feet. Permit issued.

Residence and Garages (3), 446-48-50 Flamingo street, Philadelphia, \$9,000. Architect, private plans. Owner, A. G. Wilson, Jr., 464 Flamingo street, Philadelphia. Frame, 2 stories, 20x28 feet, hot water heat, electric light, hardwood and pine floors, garages, 1 story, 12x16 feet. Permit issued.

Apartment House (add.), 1615 North Seventeenth street, Philadelphia, \$2,000. Architect,

private plans. Owner, C. Telinton, 1704 Georges lane, Philadelphia. Brick, 2 stories add., 12x13 feet. Permit issued.

Residences (18), 7711-29, 7775-81, 7712-18 Hasbrook avenue, Philadelphia, \$72,000. Architect, private plans. Owner, John H. Betz, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), East side Fifth street, North of Champlost avenue, \$76,000. Architect, private plans. Owner, H. Roy Whittaker, Fifth and Champlost avenue, Philadelphia. Brick, 2 stories, 15x34 feet, 11x21 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage (add.), 4135-37-39 Frankford avenue, Philadelphia, \$4,400. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owners, Willard-Chevrolet Co., 4131 Frankford avenue, Philadelphia. Brick, 1 story add., 42x51 feet 6 inches, slag roof, cement floors, electric light. Permit issued.

Garage, Southeast Corner Fairhill and Wingohocking streets, Philadelphia, \$4,000. Architect, private plans. Owner, Fred. V. Schubert, on premises. Brick, 1 story, 31 feet 6 inches x 85 feet 3 inches, slag roof, cement floors. Permit issued.

Residences (20), North side Hunting Park avenue, West of Worrell street, \$90,500. Architect, private plans. Owner, E. J. Olmi, 1530 South Fifteenth street, Philadelphia. Brick, 2 stories, 14 feet 10 inches x 27 feet 3 inches, 11 feet 6 inches x 13 feet 4 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment House, 2133 North Thirty-third street, Philadelphia. Architects, Tunis & Baker, 1600 Arch street, Philadelphia. Owners, Weiss-Koplin Co., 613 Franklin Trust Building, Philadelphia. Brick, 4 stories, 56x125 feet; slag roof, hardwood and pine floors, oil burner, electric light, tile work. Permit issued.

Auto Show Room, Southwest Corner Locomotive avenue and Dell street, Philadelphia, \$5,000. Architect, private plans. Owner, Fred J. Schafer, 1015 Chestnut street, Philadelphia. Brick, 2 stories, 24x36 feet 11 inches, slag roof, cement floors, electric light. Permit issued.

Residences, 7438 Dorcas street, Philadelphia, \$3,000. Architect, private plans. Owner, Gottlieb Conser, 1942 West Norris street, Philadelphia. Brick, 2 stories, 24x34 feet, pine floors, hot water heat, electric light. Permit issued.

Supplies, Philadelphia, E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due February 7th at noon. Certified check, 5 per cent. Lumber, burnt ground lime, blue-stone, fertilizer, iron cots, chemical hose, wagon axle, sewer brick.

Pennsylvania Railroad, Purchasing Agent, C. E. Walsh, Seventeenth and Filbert streets, Philadelphia. Owners taking bids due February 7th. Contract No. 21, crossings, frogs and cross-overs. Contract No. 22, structural metal work for bridges.

Contract No. 20, Pennsylvania Railroad. Purchasing agent, C. E. Walsh, Seventeenth and Filbert streets, Philadelphia. Owners taking bids due February 4th. Rail bond, 40 inches, Plans S-179-F; track circuit connection, Plans S-182-B and S-183-A.

Good Work .

Quick Service

BLUE PRINT SHOP

1520 Sansom Street, Philadelphia

Bell Phone
Rittenhouse 5893

Keystone Phone
Race 5555

Supplies, Philadelphia Navy Yard. Owners, Depot of Supplies and Accounts, C. Morris, Washington, D. C. Owners taking bids due February 8th. Varnish, pipe fittings, non-flexible cable, ignition cable, coal tar pitch. Certified check, 5 per cent.

Bank and Office Building, 17th and Chestnut Sts., Phila. Architects, Rankin, Kellogg & Crane, 1805 Walnut St., Phila., Pa. Owner, Provident Trust Co., J. B. Townsend, 409 Chestnut St. Reinforced concrete, brick, steel, cut stone, 13 stories and basement and mezzanine, 145x60 feet, slag and tile roof, cement floors, hollow tile, shoring, waterproofing, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, bond, iron stairs, ornamental iron work, acoustics, linoleum floors, archt. terra cotta, rolled steel partitions. Architect taking bids due Feb. 2nd.

Residence (alts. and add.), 2338 E. Dauphin St., Phila. Architect, Wm. F. B. Koelle, Otis Bldg., Phila. Owner, name withheld. Brick, stucco, 3 stories, 17x80 feet, hardwood floors, porch add., hot water heat, electric light, oil burning, tile work, general interior alterations, carpentry and millwork. Architect taking bids due Feb. 7th.

College Building and Boiler House, 43rd and Kingsessing Avenue, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Phila.

Owner, Phila. College of Pharmacy and Science, Wm. C. Braisted, 146 N. 10th St., Phila. Reinforced, concrete, brick, granite, 3 stories and basement, 126x89 feet, wings, 62x141 feet, 62x141 feet, slag roof, cement floors, painting and glazing, metal lath, marble and terrazzo work, rolled steel sash and skylights, kalamein doors, iron stairs, ornamental iron work, damp-proofing, cinder concrete block, rubberstone floors, bluestone. Architect taking bids due Feb. 11th.

Residences (30), Stores (2), Bridge and Loretto Ave., Phila. Architect, Guy Johnson, 237 N. 16th St., Phila., \$150,000. Owner, Louis Josephs, 5003 N. 8th St., Phila. Brick, 2 stories, hot water heat, electric light, metal lath, tile work, slag roof, hardwood floors, wire work, brass pipe. Preliminary plans in progress. Owner and builder will take sub-bids.

Apartment House, 5335 Belfield Ave., Phila., \$125,000. Architect, private plans. Owner, Jacob Sarshick, 5752 Wayne Ave., Phila. Brick, 4 stories, 40x52, 110x30 feet, vapor heat, electric light. Permit issued.

Residence, S. S. Highland Ave., E. of Navahoe St., Phila., \$7,000. Owner, H. J. Schoek, 35 Southampton St., Phila. Brick 3 stories, 34x25. Permit issued.

sition floors, linoleum, gas ranges. Contract awarded L. Rosengarten, Otis Building, Philadelphia, but not yet signed. Contractor wants sub-bids.

Stores and Apartments (5) (alts.), Southeast Corner Twenty-fifth and Ridge avenue, \$5,000. Architect, private plans. Owners, Shemtor Co., 605 Lincoln Building, Philadelphia. Brick, 3 stories, hot water heat, electric light, tile bath, hardwood floors, metal weather strip and metal ceilings, fire and kalamein doors, store fixtures. Contract awarded to Julius Glanzberg, 1769 Georges lane, Philadelphia, who will take sub-bids March 1st.

Residence and Garages (2), Graver's lane, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, Dwight Harris and Joseph Henderson, care of architects. Stone, 2½ stories, irregular in size, hot water heat, electric light, wood shingle roof, hardwood floors, cement work, tile work. Contract awarded Fesmire Brothers, Huntingdon Valley, Pa.

Apartment House and Stores, Broad and Erie, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, electric light, slag roof, hardwood floors, metal bulks, plate glass. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Church, Twelfth and Lehigh avenue, Philadelphia. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Cookman Methodist Episcopal Church, Rev. E. Bawden, 1209 West Lehigh avenue. Fire repairs, mill work, carpentry, electric light. Contract awarded A. R. Raff Cont. Co., 1635 Thompson street, Philadelphia.

Bridge, on line I street, under Connecting Railroad, Philadelphia. Owners, Department of Public Works, Bureau of Engineers, 216 City Hall. Contract awarded Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$91,980.50.

Residence and Store (alts.), 3524 German-town avenue, Philadelphia, \$2,950. Architect, private plans. Owner, Paul A. Rinck, 3617 North Broad street, Philadelphia. General alterations. Contract awarded to May, Popa & Wissinn, Barren Hill, Pa.

Garage, 2049 Upland Way, Philadelphia, \$2,350. Architect, private plans. Owner, Harry Straus, on premises. Brick, 1 story, 20x26 feet, slag roof, cement floors, electric work. Contract awarded to Adolph Strohle, 2027 North Broad street, Philadelphia.

Office, 134 South Fourth street, Philadelphia, \$60,000. Owner, Hector A. Linzheimer, on premises. Brick, 4 stories, 20x125 feet, slag roof, electric light, steam heat. Contract awarded to Charles F. Richardson, 927 Race street, Philadelphia.

Store and Residence (alts.), Northeast Corner Sixth and Lombard streets, \$2,100. Architect, private plans. Owner, B. Reibstein, Sixth and Lombard streets, Philadelphia. General alterations. Contract awarded to M. Cotler, 1220 North Forty-second street, Philadelphia.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence (alts. and add.), 3607 Haverford Ave., \$5,000. Owner, S. Seltzer, 4064 Parkside Ave., Phila. Brick, 1 story 9x12 feet, carpentry and millwork. Contract awarded M. Gases, 751 N. 40th St., Phila.

Fire Station, 4445-51 Main street, Manayunk, Philadelphia. **Fire Station**, Foulkrod and Darrah streets, Philadelphia. City architect, John Mansvi Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, City Hall, Philadelphia. Contracts awarded: Manayunk—McCormick-Lenham, Broad and Tasker streets, Philadelphia, \$59,000; electric, Walker-Kepler, 531 Chestnut street, Philadelphia, \$2,188; heating, Fred Daekenhut, 2416 Frankford avenue, Philadelphia, \$4,129; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$4,196. Foulkrod and Darrah—McCormick-Lenham, Broad and Tasker streets, \$61,000; electric, Whalen Crosby, 140 North Eleventh street, Philadelphia, \$3,420; heating, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$4,619; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$4,096.

Warehouse, Twenty-second and Vine streets, Philadelphia, \$35,000. Architect, private plans. Owners, Philadelphia Warehouse & Safe Deposit Co., Delaware avenue and Noble street. Reinforced concrete and brick, 1 story and basement, irregular in size, slag roof, cement floors, rolled steel sash. Contract awarded U.

G. I. Cont. Co., Broad and Arch streets, Philadelphia.

Apartment House, Northwest Corner Fifty-seventh and Market streets, Philadelphia. Architect, private plans. Owner, George Pflaumer, Fifty-seventh and Market streets, Philadelphia. Brick, cut stone, steel, 3 stories, 87x50 feet, slag roof, oak and pine floors, steam heat, metal lath, tile work, bond, ornamental iron work. Contract awarded J. H. Hutt, 5919 Spruce street, Philadelphia.

Building (alts.), 36 South Fifty-second street, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, William Freihofer Co., Twentieth and Indiana avenue, Philadelphia. Brick work, cut stone, structural steel, ornamental iron work, electric work, steam heat, plumbing, plastering, oak floors, tile work, kalamein doors. Contract awarded E. E. Hollenback, Inc., 1910 North Marshall street, Philadelphia.

Stores and Two-Family Apartments, Southeast Corner Germantown and Hottter street. Architects, Lippincott & Schaefer, 11 South Sixteenth street, Philadelphia. Owner, Charles Halpern, care of architect. Brick, stone, steel, cast stone, stucco, 2 stories and basement, irregular in size, slag roof, cement, oak and pine floors, plumbing, vapor heat, electric light, tile and marble work, bond, ornamental iron work, plumbing, treadlite floors, compo-

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

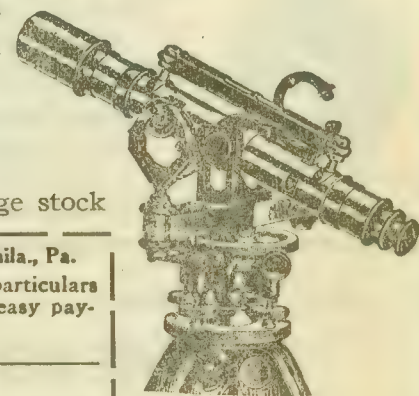
J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.

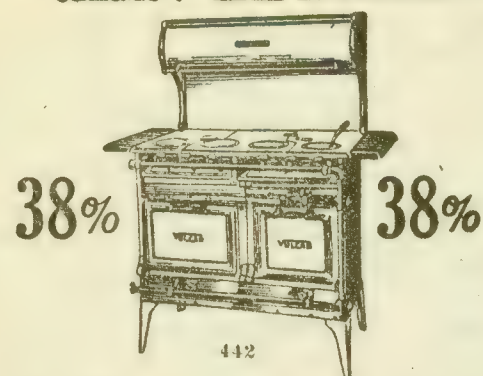
Without obligation send me full particulars about the Weilco Level and your easy payment plan.

Name _____

Address _____

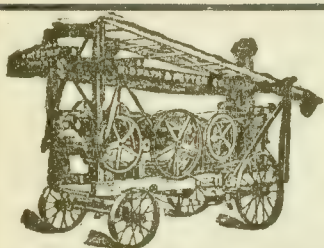


VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

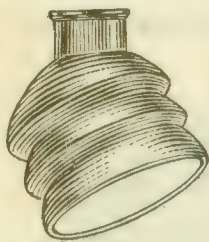


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
12317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Residences (4), 3561-63 Janney street, Philadelphia, and 3558-60 Weikel street, Philadelphia, \$8,000 total. Architect, private plans. Owner, Joseph McKinney, 3571 Witte street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 25 feet, pine floors, hot air heat, electric light. Contract awarded to George McKinney, 3544 Janney street, Philadelphia.

Factory (add.), 1415-17 Germantown avenue, Philadelphia, \$6,500. Architect, private plans. Owner, Raymond White, Jr., 800 Drexel Building, Philadelphia. Brick, 2 stories add., 59x23 feet 6 inches. Contract awarded to Louis Lamkin, 118 South Ruby street, Philadelphia.

Residence, Southeast Corner Dawson and Terrace streets, Philadelphia, \$10,000. Architect, private plans. Owner, Mrs. H. O'Donnell, on premises. Concrete block, 2 stories, 25x40 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to W. D. Ralston, 679 West Johnson street, Philadelphia.

Residence and Store (add.), 202 East Girard avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Patrick Casey, 200 East Girard avenue, Philadelphia. Brick, 3 stories add., 14x20 feet. Contract awarded to Wintz Bros., Inc., 1618 Sellers avenue, Philadelphia.

Manufacturing Building, 1025-27-29 East Montgomery avenue, \$21,000. Architect, private plans. Owners, H. E. Whittaker Co., 611-13 East Moyer street, Philadelphia. Brick, 2 stories, 45x98 feet 2 inches. Contract awarded to R. W. Reagan, 611 Moyer street, Philadelphia.

Pennsylvania Construction News

Residence, Mahantong St., Pottsville, Pa., \$25,000. Architect, D. H. Grootenbeer, Schuylkill Trust Bldg., Pottsville. Owner, John W. Higgins, 115 E. Norwegian St., Pottsville, Pa. Brick veneer and frame, 2½ stories, hardwood and pine floors, electric light, tile work. Architect will be ready for bids about March 1st.

Church (add.), Tamaqua, Pa. Architect, D. H. Grootenbeer, Schuylkill Trust Bldg., Pottsville, Pa. Owners, Trinity Reformed Church, Rev. A. G. Thompson, Lafayette St., Tamaqua, Pa. Brick, 2½ stories addition, 25x60 feet. Architect will be ready for new bids about February 15th.

Store, Garage and Apartment Building, Shenandoah, Pa. Architect, D. H. Grootenbeer, Schuylkill Trust Bldg., Pottsville, Pa. Owner, S. A. Gastin, 308 Lloyds St., Shenandoah, Pa. Plans in progress. Architect will be ready for bids about March 20th.

Church, N. Wyoming St., Hazleton, Pa., \$150,000. Architects, Sheridan & Knoblock, Markle Bank Building, Hazleton, Pa. Owners, St. John's Greek Catholic Church, Rev. N. Martyak, 553 Arthur St., Hazleton, Pa. Brick, stone, 1 story and basement, 150x190 feet. Plans about completed. Architects will be ready for bids in about four weeks.

Grade School, Hazleton, Pa. Architects, Sheridan & Knoblock, Markle Bank Bldg., Hazleton, Pa. Owners, Banks Twp. School Dist., C. Gallagher, Secretary, Coleraine, Pa. Frame, 2 stories, 4-room addition. Plans in progress. Owners will be ready for bids in about four weeks.

Church (add.), Sunday School and Hall, Hughesville, Pa. Architect, F. Arthur Rianhard, Masonic Temple Bldg., Williamsport. Owners, Trinity Lutheran Church, Rev. D. C. Baer, Hughesville, Pa. 1 story addition, 38x85 feet, 25x35 feet. Will be ready for bids in 4 weeks.

Barn and Garage, Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Temple Bldg., Williamsport, Pa. Owner, James Haug, Mountoursville Road, Williamsport, Pa. Cinder block and frame, 2 stories. 40x100 feet. Plans in progress. Architect will be ready for bids in two weeks.

Residence, Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Bldg., Williamsport, Pa. Owner, Charles Kahn, 305 Elmira St., Williamsport, Pa. Brick, 2½ stories, 55x65 feet, hardwood and pine floors, electric light, tile work. Plans in progress. Architect will be ready for bids in about two weeks.

Sunday School, Williamsport, Pa. Architect, F. Arthur Rianhard, Masonic Bldg., Williamsport, Pa. Owner, Calvert Baptist Cong., Rev. W. P. Haug, 34 Washington St., Williamsport, Pa. Brick, 2 stories, 56x74 feet. Plans in progress. Will be ready for bids in about four weeks.

Bank, S. E. Cor. 4th and Northampton Sts., Easton, Pa. Architect, not yet selected. Owners, Lafayette Trust Co., Asher Seip, Pres., 353 Northampton St., Easton, Pa. Work contemplated.

Club House, Newtown Square, Pa. Architect Associate, Charles Barton Keen, 338 S. Smedley St., F. D. Edmunds, Real Estate Trust Bldg., Phila. Owner, Aronomink Golf Club, Newtown Square, Pa. Stone, 2 stories, slate roof, tile and marble work, lockers. Plans in progress.

Residence and Garage, Andover Road, near Golfhouse Road, Ardmore. Architects, Seeburger & Rabenold, 1524 Chestnut St., Phila., \$75,000. Owner, Frank Seeburger, 1524 Chestnut St., Phila. Work contemplated.

Stores and Office Building, S. W. Cor. 69th and West Chester Pike. Architect, private plans. Owner, John H. McClatchy, 11 S. 69th

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

St., Upper Darby, Pa. Work contemplated. Plans out within a week.

Academy Building, Mercersburg, Pa. Architects, Day & Klauder, Franklin Bank Bldg., Phila. Owner, Mercersburg Academy, Dr. Wm. Mann Irvine, Headmaster, Mercersburg, Pa. Brick, fireproof, 3 stories and basement, 150x45 feet, wing 45x100 feet, slate roof. Sketches in progress.

Town Hall, Bristol, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Borough of Bristol, Pa. Brick, stone. Plans in progress.

Baking Plant, Rising Sun avenue and Godfrey avenue and Reading Railroad. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, General Baking Co., 342 Madison avenue, New York. Reinforced concrete, brick, steel, 6 acres. Work contemplated.

Bank Building (alts.), Baltimore avenue and Church lane, East Lansdowne, Pa. Architect, Willis A. Hall, Upper Darby, Pa. Owners, Citizens' National Bank, on premises. New front, general alterations, 50x50 feet. Plans in progress.

Residence (alts. and add.), near Sugartown, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, Arthur H. Pierce, on premises. Stone, 2½ stories, 25x55 feet, shingle roof, hardwood floors, electric light, heating, plumbing. Plans in progress.

Bridge, near North Wales, Pa. Architect, C. S. Hollister, Norristown, Pa. Owners, Montgomery County, Norristown, Pa. Reinforced concrete. Plans in progress.

High School, Birdsboro, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Birdsboro School District, W. K. Young, secretary, Birdsboro, Pa. Architects selected.

Sunday School, Bedford, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Trinity Lutheran Church, Rev. H. Saul, Bedford, Pa. Brick, 1 story and basement, capacity 400. Plans in progress.

Home (3 buildings), Harrisburg, Pa. Architects, Witman & Royer, 41 East Market street, York, Pa. Owners, Ku Klux Klan, care of architects. Brick, 2½ stories. Preliminary plans in progress.

Residence, Lancaster Township, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Earl Deffenbaugh, 1036 Woods avenue, Lancaster, Pa. Stone, brick, 2½ stories, 35x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence (alts.), Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, J. W. Hollinger, Jr., care of architect. Mill work, hardwood and linoleum floors, tile work, flagstone, general interior and exterior alterations. Plans in progress.

Bridge over Kerlin street, at Twelfth street, Chester, Pa. Engineer, W. Hart, Bridge Department, Baltimore & Ohio Railroad, Baltimore, Md. Owners, Baltimore & Ohio Railroad, Baltimore, Md. Reinforced concrete. Plans in progress.

Residence, Jenkintown, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Robert Carnwath, American and Cumberland streets, Philadelphia. Plans completed. Architects will be ready for bids in ten days.

Garage, Cameron street, Harrisburg, Pa. Ar-

chitect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Myers' Accessory House, Eleventh and Mulberry streets, Harrisburg, Pa. Concrete, 2 stories, 44x81 feet, slag roof, concrete floors, roof ventilators, fire doors, steel sash, electric light. Plans in progress. Architect will be ready for bids at end of week.

Home (add.), Chatham, Pa. Associate architects, Simon, Wasserman & C. R. Peddle, 119 South Fourth street, Philadelphia. Owners, Machabees International Home, Chatham, Pa. Concrete block, stucco, 1 story, 30x60 feet. Ready for bids in one month.

Fraternity House, State College, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Phi Kappa Sigma Fraternity, R. Cummings, secretary, State College, Pa. Stone, 3 stories and loft, 120x100 feet, slate roof, hardwood floors, steam heat, electric light, tile and marble. Architect will be ready for bids (revised) February 15th.

School and Auditorium, Mahanoy Plane, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Holy Rosary Church, Rev. P. J. Fleming, Mahanoy Plane, Pa. Structural steel, frame, 2 stories, 93x55 feet, composition roof, maple floors, steam heat, electric light. Architect will be ready for bids in about two weeks.

Church (add. and alts.), Newtown, Bucks County, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Andrew's Roman Catholic Church, Rev. J. F. Brady, Newtown, Pa. Stone, 2 stories, 40x30 feet, slate roof, composition floors, heating extension, electric light, general alterations. Architect will be ready for bids in about two weeks.

Apartment House, Hamburg, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, W. J. Stitzel, Hamburg, Pa. Owner taking sub-bids.

Store (add. and alts.), York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, H. Westley & Co., 328 West Market street, York, Pa. Brick, terra cotta and steel, 4 and 1 stories, 20x60 feet, 22x150 feet, built-up roof, maple floors, elevators, tile work, heating extension, electric light. Plans in progress. Will be ready for bids in March.

Country Club, York, Pa. Architects, J. A. Dempwolf, Cassatt Building; R. A. Stair, Guardian Trust Building, and Edward Leber, Hay Building, York, Pa. Owners, York Country Club, C. E. Smith, president, care of Country Club, York, Pa. Stone, stucco, 2½, 1 and 2 stories, 144x84 feet, tile roof, maple floors, vapor heat, electric light, tile and marble, steel sash, ornamental iron. Plans in progress. Architects will be ready for bids February 15th.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Bel
19 W

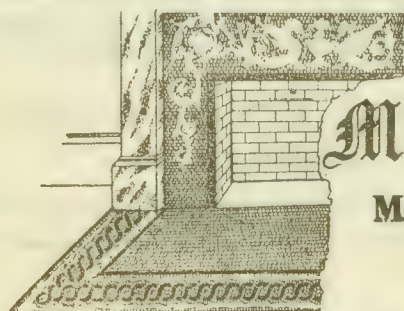
THERE IS ONLY ONE IN-A-
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertain
of cement floor finish. Furnished in crys
the job. This results in economy. For furt

**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



T
L

BEDS

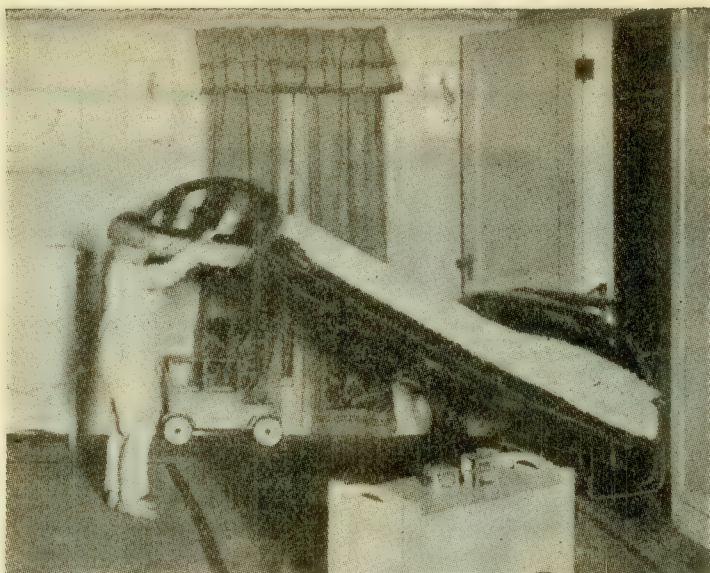
omes
rings

call at our
kitchen
boards as
Beds

D CO.

ey Building
44th Street
New York

R BED



A child can operate the bed

Comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



Instead of Leaky Shower Bath Curtains LEHMAN SPRAYSHIELDS

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation

Designed Right **L. H. LEHMAN** *"Don't Bathe*
Priced Right 1210 North 8th Street *In a Tent"*
PHILADELPHIA

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520 138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

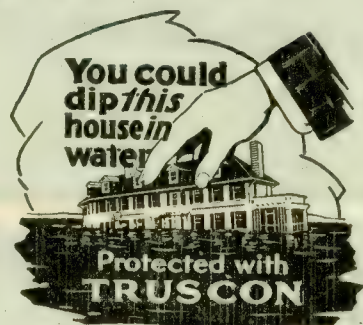
Bell—Market 3158. PHILADELPHIA, PA. Keystone—Main 5145

EMPERITE

m Freezing

s to time for first trowelling
m, all water being added at
formation, ask

e Truscon
poratories



Phila. Office :
1505 Race Street

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976 Kensington 2343

For Building Materials
now
VANS



Operative Builders
Standardize on

CIVER

A VAN SCIVER Product
for
Every Building Purpose

PLASTERING sand, concrete sand and graded gravel, mined and cleaned by the most modern methods, are always of uniform—Van Sciver—quality.

Klimco, Knickerbocker Neat and Knickerbocker Hydrated Lime are three of the scientifically prepared Knickerbocker Lime Products. Operative builders have been using Knickerbocker lime for more than fifty years.

It is a decided advantage for the operative builders to be able to secure all building material requirements from one reliable source.

THE VAN SCIVER CORPORATION

EXECUTIVE OFFICES

The Parkway at 24th Street, PHILADELPHIA

Plants • KNICKERBOCKER • MORRISVILLE and VAN SCIVER, PA.

Warehouse (alts. and add.), Fourth and Melrose avenue, Chester, Pa. Architects, The Gondos Co., 800 North Tenth street, Chester, Pa. Owners, Rogers & Albany Warehouse Co., Inc., on premises. Brick, reinforced concrete,

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE
LIMESTONE
GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

setel, 4 stories and basement, 83x93 feet, slag roof, cement floors, rolled steel sash, ornamental iron work. Architects taking bids due February 4th.

Post Office Building, Lewistown, Pa. Architect, James A. Wetmore, supervising architect, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Owners taking bids due February 25th at 3 P. M.

Club House, Golf Course, etc., Willow Grove, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owners, Huntingdon Valley Country Club, Noble, Pa. Architects taking bids due February 8th at noon.

Bank, Waynesboro, Pa. Architects, Simon, Brittain & English, 929 Chestnut street, Philadelphia. Owners, First National Bank, Waynesboro, Pa. Brick, steel, stone, 1 story, 75x125 feet. Owners taking bids.

Masonic Home, Pottstown, Pa. Architect, A. S. Kepner, Pottstown, Pa. Owners, Free and Accepted Masons, Pottstown, Pa. Brick, steel, granite and limestone, 2 and 3 stories, 60x90 feet, slag roof, terrazzo, composition and hardwood floors, vapor heat, electric light, metal lath, tile and marble. Owners taking bids due February 10th.

Nurses' Home, Lewistown, Pa. Architects, Witman & Royer, 41 East Market street, York, Pa. Owners, Lewistown Hospital, N. S. Boyer, Lewistown, Pa. Brick, steel, 3 stories and basement, 65x33 feet, slate roof, pine floors, vapor heat, electric light, tile work. Owners taking revised bids.

Office Building, Wayne, Pa. Architects, MacKenzie & Wiley, Bankers Trust Building, Philadelphia. Owner, Joseph Fronefield, Wayne, Pa. Architects taking bids due February 8th.

Church, Hampden Heights, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Lutheran Church of the Nativity, Mr. George D. Horst, 518 Court street, Reading, Pa. Stone, steel, 1 story and basement, 40x110 feet, slate roof, hardwood floors, vapor heat, electric light, metal lath, ornamental iron. Owners taking bids due February 4th at 5 P. M.

Culvert, Folsom, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners, Township of Ridley, L. F. Garling, Folsom, Pa. Reinforced concrete culvert on line of Fairview road, NoNrrth of Haverford road. Construct reinforced concrete decks on bridge on line of Parker avenue, near Highland avenue, and for bridge near car barn at Folsom, Pa. Certified check, \$300. Owners taking bids due February 3rd, 8 P. M.

Bridge, over Canal, Bristol, Pa. Engineer, J. S. Roberts, 204 Radcliffe street, Bristol, Pa. Owners, Borough of Bristol, H. H. H. Poole, secretary, 204 Radcliffe street. Owners taking bids due February 9th at noon.

Bridge over Schuylkill River, Black Rock, near Royersford, Pa. Engineer, H. K. Ellis, Court House, West Chester, Pa. Owners, Chester and Montgomery Counties, West Chester, Pa. Certified check, \$10,000. Deposit, \$5, no refund. Owners taking bids at West Chester February 28th. Plans will be ready for builders in one week.

Sewers, Springfield, Pa. Architects, Damon & Foster, 6932 Market street, Upper Darby, Pa. Owners, Township of Springfield, J. Calder, Springfield, Pa. Terra cotta pipe sewer. Several streets. Owners taking bids due February 8th, 8 P. M.

School (high), Newport, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, School District, Borough of Newport, Newport, Pa. Brick, steel, 2 stories, 157x96 feet, 38x60 feet, composition roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing, cut stone, ornamental iron, iron stairs, bond, steel skylights, steel sash, tile work, metal lath (heating, plumbing and electric separate). Lowest bidder: J. C. Snyder, Selins Grove, Pa., \$70,777.47. Revised plans in progress.

High School (add.), Carlisle, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Carlisle School Board, Thomas Vale, secretary, Carlisle, Pa. Brick, steel, concrete, 2 stories, 202x62 feet, built-up roof, maple and composition floors, hollow tile, safety treads, roof ventilators, waterproofing, cut stone, iron stairs, ornamental plaster, steel lockers, partitions, steel sash, tile work, metal lath (plumbing, heating and electric separate). Lowest bidders: J. C. Snyder, Selins Grove, Pa., \$197,777.77. Electric, Keystone Eng. Co., 335 Walnut street, Reading, \$7,950. Heating, J. H. Bowman, Penbrook, Pa., \$33,980. Plumbing, J. H. Bowman, Penbrook, Pa., \$9,195.

Pennsylvania Contracts Awarded

Store and Loft Building, Pottsville, Pa. Architect, D. H. Grootenbeer, Schuylkill Trust Bldg., Pottsville, Owners, Leader Furniture Co., 19 N. Center St., Pottsville. Cinder block, 3 stories, 30x30 feet. Contract awarded to J. J. Houser, 1023 Laurel St., Pottsville, Pa.

Building (add. and alts.), 211 Broadway, Camden, N. J., \$7,500. Architect, Herman Kline, Bulletin Bldg., Phila. Owner, J. A. Berman, 1218 Magnolia St., Camden, N. J. Brick, 1 story addition, 11x34 feet, slag or tin roof, general alterations, lowering floor, underpinning foundations. Contract awarded to Sol Kravetz, 335 S. 57th St., Phila.

Residence (alts.), Oak Lane, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut St., Phila. Owner, Edwin Dannenbaum, on premises. General interior alterations. Contract awarded Albert Zellfelder, 1324 Walnut St., Phila.

Residence and Garages (3), Elkins Park, Pa. Architect, Edwin A. Schoeppe, 1437 Spruce street, Philadelphia. Owners, P. P. Hagan, care of architect. Stone, hollow tile, stucco, 2½ stories, 27x36 feet, 1 story, 15x20 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, tile work. Contract awarded William Eggert, McKinley, Pa.

Bank Building, Olyphant, Pa. Architects, Simons, Brittain & English, 929 Chestnut street, Philadelphia. Owners, First National Bank, Olyphant, Pa. Brick, stone, steel, 1 story and two mezzanines, 50x100 feet, electric light, wood floors, bronze work, bank fixtures. Contract awarded Simons, Brittain & English, 929 Chestnut street, Philadelphia.

Kennel, Cynwyd, Pa. Architects, Lippincott & Schaef, 11 South Sixteenth street, Philadelphia. Owner, L. L. Lentz, Cynwyd,

Pa. Frame, 1 story, 14x28 feet, thatched asbestos covering, vapor heat, electric light, cement work, plumbing, galvanized iron fence, asbestos. Contract awarded L. Rosengarten, Otis Building, Philadelphia.

Silk Mill, Waynesboro, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Siehli Silk Co., care of architect. Brick, steel, cement floors, steam heat, electric light, rolled steel sash. Contract awarded to Harrisonburg Home Supply Co., Harrisonburg, Va.

Residence, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Dr. Curtis, care of architects. Brick, 2½ stories, 41x34 feet, tile roof, hardwood floors, tile work, electric work. Contract awarded to Arthur P. Houser, Emaus, Pa.

Residence, Bethlehem, Pa., \$60,000. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem, Pa. Owner, D. H. Brillhart, 1103 West Broad street, Bethlehem, Pa. Frame, 2½ stories, 126x33 feet, shingle roof, hardwood floors, electric light, tile work. Contract awarded to Garber & Cissel, 203 West Fourth street, Bethlehem, Pa.

Factory Building, Ephrata, Pa. Architects, Lockwood-Greene Co., 1 Pershing Square, New York. Owners, Stunzi Sons Silk Co., Ephrata, Pa. Brick, steel, reinforced concrete, 1 story, 254x258 feet (heating, electric work reserved), Johns Manville roof, cement floors, hollow tile, metal lath, rolled steel sash, ornamental iron, mill work, metal lath, metal partitions, plumbing. Contract awarded to Hughes-Foukrod Co., 1505 Race street, Philadelphia.

New Jersey Construction News

Home Building, Pacific and St. James Place, Atlantic City, N. J. Architect, Frank A. Berry, Real Estate Trust Bldg., Phila. Owner, Knights of Columbus Council, 405, T. Randow, Atlantic City. Brick, steel, stone, 5 stories. Architect sub-letting.

Store, Pleasantville, N. J. Architect, private plans. Owner, F. W. Woolworth Co., care of Geo. C. Stout & Co., 1503 Widener

Bldg., Phila., Pa. Brick, 1 store and basement, 125x30 feet, slag roof, pine and maple floors, plumbing, steel ceilings, dampproofing, steam heat, electric light, metal lath, tile and marble work, area gratings. Owner ready for general bids.

Filling and Service Stations (2), Entrance road, opposite Civic Center, Fourth and Jackson streets, Camden, N. J. Owners, Gulf Refining Co., Sydenham and Locust streets, Philadelphia. Work contemplated.

City Hall, Civic Center, Camden, N. J. City planner, C. W. Leavitt, Camden, N. J. Owners, Board of Chosen Freeholders, Camden, N. J. Brick, white stone. Work contemplated.

Theatre, Haddonfield, N. J. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Preliminary sketches being drawn.

Temple and Community Center, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Har Sinai Cong., care of architect. Brick, stone, steel, 2 stories and mezzanine, 70x120 feet, 60x100 feet. Preliminary plans in progress.

Service Building, Broad and Second streets, Trenton, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owners, Eagle Tire Co., Warren and Bridge streets, Trenton, N. J. Brick, steel, concrete, 2 stories, 96x100 feet. Plans in progress.

Residence, Woodbury, N. J. Architects, C. R. Peddle, and S. Wasserman associate, 136 South Fourth street, Philadelphia. Owner, Mr. Goodrich, Woodbury, N. J. Stone, 2½ stories, 30x60 feet, slate roof, hardwood floors, hot water heat, electric light. Ready for bids February 15th.

Court House (finishing basement), Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Mercer County Board of Chosen Freeholders, Court House, Trenton, N. J. Plumbing, heating, terrazzo and woodoleum floors. Architects ready for bids.

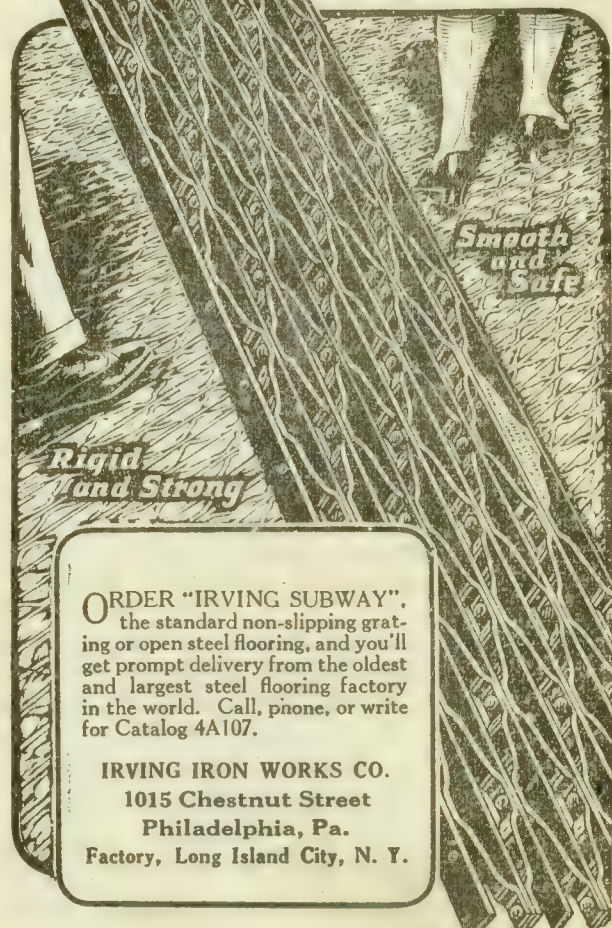
Church (add.), Flemington, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Presbyterian Church, Fred Jordy, Flemington, N. J. Stone, second story add., 30x50 feet, slate

Desk Space, Otis Building

REASONABLE RATE

Apply BUILDERS' GUIDE, Box 1
Perry Building . Philadelphia

Always-When You Need Gratings —



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

On the Ground When Wanted

CLAUSEN
TERRA COTTA

**FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.**

AN ambition to give your orders the kind of attention that will **THOROUGHLY** satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a **REAL** Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

roof, hardwood floors, heating extension, electric light. Architects ready for bids.

Apartment Building and Store, Merchantville, N. J. Architects, Edwards & Green, Camden, N. J. Owner, Donald Black, Camden, N. J. Brick, hollow tile, 3 stories and basement, will contain 54 apartments, hardwood floors, tile and marble work, metal bulks, plate glass. Owner will build and is taking sub-bids on the following items: heating, plumbing, electric light and fixtures, kitchen cabinets, mill work, electrical refrigeration, gas ranges, hardware, plastering, painting, incinerator plant, house phones, slag roof.

Residences (20), Haddonleigh, Camden County, N. J. Architect, private plans. Owners, Integrity Co., care of Fox Realty Co., 47 East King's Highway, Audubon, N. J. Frame, stucco, 2½ stories, 30x30 feet, shingle, slate and composition roofs, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids and general bids.

Labor Lyceum, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Workmen's Circle, No. 90, care of architect. Brick, steel, limestone, 3 stories, 50x100 feet, slag roof, maple floors, hollow tile, vapor heat, electric light, tile and marble, iron stairs, ornamental iron. Architect taking bids due February 7th.

Residence, Brigantine, N. J. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Whitney Smith, care of architects. Architects taking bids due February 7th at noon.

High School, Landis avenue, Vineland, N. J. Architects, Guilbert & Betelle, Newark, N. J. Owners, Landis Township Board of Education, Vineland, N. J. Low bidders: F. K. Worley Const. Co., Wesley Building, Philadelphia, \$327,777; H. John Homan, Eighteenth and Cherry streets, Philadelphia, \$336,041. Heating, J. H. Hutchinson, 1020 Callowhill street, Philadelphia, \$54,297; American Heating & Ventilating Co. (own design), Schaff Building, \$38,317. Electric, Mitchell & Co., 1337 McFerran street, Philadelphia, \$12,875; plumbing, United Plumbing & Heating Co., 238 North Thirteenth street, \$27,400.

Buildings, North Jersey Training School for Feeble Minded, Totowa, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Lowest bidders:

Dining Hall and Kitchen—Bowe & Millimet, Union City, N. J., \$102,400. Plumbing, George J. Tobin, Plainfield, N. J., \$23,985.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

TRIDENT

WATER METERS

For New and Old Properties

PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building
Philadelphia

Lombard 4900

Heating, George J. Tobin, Plainfield, N. J., \$9,355. Electric, Fischbach & Moore, 222 East Forty-second street, New York, \$4,446.

Vocational, Industrial and School Building—C. J. Smith Const. Co., 202 Academy street, Trenton, N. J., \$113,626. Plumbing, J. T. Evans, Wilkes-Barre, Pa., \$10,131.67. Heating, George J. Tobin, Plainfield, N. J., \$9,981. Electric, K. W. Electric Co., 47 Lawrence street, Newark, \$7,173.

Recreation and Assembly Building—F. & C. Haerter, West New York, N. J., \$111,640. Plumbing, George J. Tobin, Plainfield, N. J., \$6,498. Heating, George J. Tobin, Plainfield, N. J., \$7,963. Electric, Hoffman & Elias, 59 East Fifty-first street, New York, \$9,396.

Laundry—C. J. Smith Const. Co., 202 Academy street, Trenton, N. J., \$24,850. Plumbing, George J. Tobin, Plainfield, N. J., \$2,435. Heating, George J. Tobin, Plainfield, N. J., \$2,971. Electric, Hoffman & Elias, 59 East Fifty-first street, New York, \$1,818.

Power House—Edward M. Waldron, Inc., 27 Central avenue, Newark, N. J., \$48,278. Plumbing, George J. Tobin, Plainfield, N. J., \$1,689. Electric, K. W. Electric Co., 47 Lawrence street, Newark, N. J., \$19,913. Coal handling, J. H. Cooney, Inc., Harrison, N. J., \$29,940.

Radial Brick Chimney—Rust Eng. Co., Pittsburgh, Pa., \$8,500.

Elevators—Otis Elevator Co., Otis Building, Philadelphia, \$2,868.

Lump Sum Bids—Bowe & Millimet, Union City, N. J., \$397,800. Heating, George J. Tobin, Plainfield, N. J., \$61,757. Electric, K. W. Electric Co., Newark, N. J., \$43,733. Plumbing, George J. Tobin, Plainfield, N. J., \$45,297.

New Jersey Contracts Awarded

Office Building, Elizabeth, N. J. Architect, Frank A. Berry Real Estate Trust Bldg., Phila. Owner, Mrs. Mark A. Martin, care of architect. Brick, cut stone, steel, 5 stories and basement, 147x60 feet, slag roof, cement floors, metal lath, tile work, bond, ornamental iron work (plumbing, heating and electric reserved). Contract awarded J. W. Ferguson, 40 W. 40th St., New York.

Bank Building, 1213-15 Broadway, Camden, N. J. Architect, private plans. Owners, American National Bank, Dr. I. S. Siris, 936 Broadway, Camden, N. J. Brick, limestone, 1 story and mezzanine, 40x80 feet, slag roof, electric light. Contract awarded Simons, Brittain & English, 929 Chestnut street, Philadelphia.

Store Front and Interior Alterations, Broad and Front streets, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, M. S. Konheim, on premises. Brick, steel, bronze, plate glass, marble and terrazzo work. Contract awarded to Paramount Const. Co., 124 West One Hundred and Twenty-fourth street, New York City.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Section 3, Route 1 Extension, Jersey City, N. J. Contract No. 5. Construction of covered cut and bridges. Contract awarded to Montrose Cont. Co., Grand Central Terminal Building, New York, \$3,244,951.

Miscellaneous Construction News

Office Building, Greensboro, N. C. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, Pilot Mutual Life Insurance Co., Greensboro, N. C. Probably

stone. Too early for details. Plans in progress.

Hospital (add.), Frederick, Md. Architect, Edward Leber, Hay Building, York, Pa. Owners, Frederick City Hospital, Miss Nies, superintendent, Fredereick, Md. Fireproof, 3 stories and basement, 40x96 feet, composition roof, composition and rubber floors, hollow tile, elevators, safety treads, roof ventilators, ornamental iron, iron stairs, steel skylights, tile work, metal lath, heating extension, electric light. Architect taking bids due February 10th.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., January 21, 1927.—SEALED BIDS in duplicate will be received until 3 P. M., February 25, 1927, and then publicly opened, for furnishing all labor and materials and performing all work for the construction of the United States Post Office at Lewistown, Pa. Drawings and specifications may be obtained from the Custodian of the site at Lewistown, Pa., or at this office in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Mr. David F. Hoskins, formerly cut stone contractor in Philadelphia, announces the formation of the Eastern Cast Stone Company for the manufacture of architectural cast stone. Offices 3308-10 Ludlow Street, Philadelphia, Pa.

BUILDING PERMITS

An increased volume of construction of more than 54 per cent. over November, 1926, is shown by the December reports to Department of Labor and Industry of the number of building permits granted in 37 Pennsylvania cities and boroughs. The estimated cost of the construction operations covered by the 1,821 permits granted in December is \$26,603,049, or a gain of \$9,583,658 over November, 1926. Increased building activity over November is shown for 8 of the 37 municipalities. These cities and boroughs and their respective percentage of increase over November are the following: Altoona, 81 per cent.; Ambridge, 38 per cent.; Meadville, 390 per cent.; Monongahela, 191 per cent.; Philadelphia, 141 per cent.; Pittsburgh, 28 per cent.; Reading, 25 per cent., and Wilkesburg, 37 per cent.

When compared with records for December, 1925, the figures of 20 cities for December, 1926, show an increase of \$13,000,000, or nearly 100 per cent., over last year. The 6 cities that show a much larger volume of building over Decem-

ESTIMATED VALUE OF BUILDING PERMITS ISSUED IN CITIES
AND BOROUGHES IN PENNSYLVANIA DURING THE MONTH
OF DECEMBER

City or Borough	1926		1925	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	43	\$ 224,650	47	\$ 486,700
Altoona	49	219,529	64	56,654
Ambridge Borough*	7	30,100	..	.....
Berwick Borough*	5	4,000	..	.....
Bethlehem	18	34,025	36	204,600
Bradford	2	2,900	13	20,475
Carlisle Borough*	5	7,965	..	.....
Clairton*	12	5,315	..	.....
Coatesville*	4	15,900	..	.....
Duquesne*	3	20,350	..	.....
Easton	14	47,967	10	94,500
Erie	78	252,560	153	279,361
Harrisburg	36	173,470	60	152,960
Hazleton*	5	31,109	..	.....
Homestead Borough*	2	8,500	..	.....
Johnstown*	17	23,735	..	.....
Lancaster	24	169,970	22	45,880
McKeesport* .....	..	.....	44	151,245
McKees Rocks Borough* ..	5	20,200	..	.....
Meadville	1	6,000	4	21,000
Monessen*	5	9,285	..	.....
Monongahela*	2	3,900	..	.....
New Castle	28	64,000	37	134,210
Oil City	7	3,225	11	18,179
Philadelphia	891	20,846,925	1,175	8,485,930
Pittsburgh	405	3,781,727	421	2,514,464
Pottsville*	15	134,775	..	.....
Reading	80	197,400	89	148,275
Scranton	44	330,536	75	367,815
Shamokin Borough*	13	10,882	..	.....
Sunbury*	4	9,200	..	.....
Uniontown	6	17,740	6	29,100
Warren Borough	1	4,500	6	64,200
Washington*	5	5,915	..	.....
Wilkes-Barre	63	180,570	99	274,241
Wilkesburg*	23	190,734	..	.....
Williamsport	9	25,312	34	64,230
York	22	20,043	31	109,755
Total	1,953	\$27,134,914	2,437	\$13,723,774
Comparative Total	1,821	\$26,603,049	2,393	\$13,572,529

*Not included in Comparative Totals.

ber, 1925, are: Altoona, Harrisburg, Lancaster, Philadelphia, Pittsburgh, and Reading. During December, 1926, Philadelphia issued permits for construction operations costing nearly twenty-one million dollars.

The total volume of construction permits granted during 1926 in 20 cities amounted to \$237,980,501. This is \$43,-864,545 below the 1925 total, or a loss of 15.5 per cent. There are but 3 of 20 cities that report gains in construction activity over the year, 1925. The cities that show increases over 1925 are Allentown, 6 per cent.; Altoona, 1.3 per cent., and Pittsburgh, 5.5 per cent. The other 17 cities show losses ranging from 0.7 per cent. for Harrisburg to 65.0 per cent. for Bethlehem. Following are listed the cities that show a lower volume of construction for the year 1926 than for 1925:

City	Decrease (per cent.)
Bethlehem	65.0
Oil City	54.4
Uniontown	52.6
Lancaster	41.0
Erie	29.6
Reading	20.8
Scranton	19.9
Warren	18.0
Philadelphia	17.9
Bradford	17.0

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

ESTIMATED VALUE OF BUILDING PERMITS ISSUED IN PENNSYLVANIA, JANUARY TO DECEMBER, INCLUSIVE

City or Borough	January to December, Inclusive 1926		January to December, Inclusive 1925	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	1,745	\$ 9,176,895	1,578	\$ 8,659,765
Altoona	1,637	3,059,734	1,776	3,019,138
Bethlehem	783	2,157,026	589	6,166,250
Bradford	328	666,023	390	803,077
Easton	398	2,221,894	390	2,514,615
Erie	2,062	6,090,821	2,299	8,657,903
Harrisburg	1,123	4,308,255	1,046	4,336,581
Lancaster	711	2,328,107	841	3,965,022
Meadville	142	785,401	144	842,485
New Castle	827	2,304,105	1,119	2,371,300
Oil City	456	533,939	649	1,161,742
Philadelphia	19,429	140,294,200	23,559	170,900,830
Pittsburgh	7,794*	43,789,103	8,282*	41,512,222
Reading	2,568	5,763,675	2,757	7,274,469
Scranton	1,513	5,575,719	1,704	6,957,196
Uniontown	138	571,025	181	1,416,291
Warren Borough	152	715,132	170	871,733
Wilkes-Barre	1,475	3,961,806	1,592	4,336,814
Williamsport	816	2,229,716	932	2,406,326
York	1,022	1,447,925	1,169	3,671,287
Total	45,119	\$237,980,501	51,167	\$281,845,046

*Number of Permits—Buildings Not Given.

Easton	11.6
Wilkes-Barre	8.6
Williamsport	7.3
Meadville	6.8
York	6.6
New Castle	2.8
Harrisburg	0.7

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

NEW BUILDINGS, ADDITIONS, ALTERATIONS AND REPAIRS IN PENNA. FOR THE MONTH OF DECEMBER

	1926				1925			
	New Buildings		Additions, Alterations Repairs, Etc.		New Buildings		Additions, Alterations, Repairs, Etc.	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	33	\$ 199,700	10	\$ 24,950	29	\$ 446,100	18	\$ 40,600
Altoona	23	207,087	26	12,442	30	39,676	34	16,978
Bethlehem	9	28,150	9	5,875	22	193,725	14	10,875
Bradford .....	..	.....	2	2,900	7	19,050	6	1,425
Easton	11	45,667	3	2,300	8	87,500	2	7,000
Erie	65	198,460	13	54,100	135	260,475	18	18,886
Harrisburg	23	141,620	13	31,850	46	130,160	14	22,800
Lancaster	7	158,000	17	11,970	15	37,530	7	8,350
Meadville	1	6,000	..	.....	4	21,000	..	.....
New Castle	18	59,545	10	4,455	33	133,810	4	400
Oil City	2	1,450	5	1,775	3	11,600	8	6,579
Philadelphia	498	19,826,185	393	1,020,740	802	7,953,250	373	532,680
Pittsburgh	304*	3,711,612	101*	70,115	316*	2,332,055	105*	182,409
Reading	25	158,100	55	39,300	30	112,275	59	36,000
Uniontown	6	17,740	..	.....	6	29,100	..	.....
Warren Borough	1	4,500	..	.....	2	60,500	4	3,700
Wilkes-Barre	20	117,211	43	63,359	43	228,954	56	45,287
Williamsport	4	24,500	5	812	21	53,090	13	11,140
York	5	16,400	17	3,643	17	99,875	14	9,330
Total	1,055	\$24,921,927	722	\$1,350,586	1,569	\$12,249,725	749	\$954,989

*Number of Permits—Buildings Not Given.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE
Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES
Service Supply Corporation,
20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co....Columbia and Howard St., Phila.

CAST STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING
Sterling Products Co.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation, 20th and Venango Sts.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK
Gillingham Co....Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co....1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr.,829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co.Otis Bldg., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS
Murphy Door Bed Co....512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Master Builders Co.Otis Bldg., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co....2313 Walnut St., Phila.
Selby Battersby & Co.....810 Noble St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co....1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.....3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America.....1600 Arch St.
Philadelphia Fire & Marine Ins. Co.,
1711 Chestnut St., Phila.
Smith-Austermuhl Co.Camden, N. J.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co....11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co.5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Gillingham Co. ..Norris and Richmond Sts., Phila.
Ketcham, Howard.....3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co....435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co. ..Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Joseph SterlingCamden, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.

ROOFING
Benjamin Foster Company,
20th and Venango Sts., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS
John Nacey Co.7254 Paschall Ave., Phila.
Service Supply Corporation,
20th and Venango Sts., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg Co.2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES
Edwin Elliott Co.560 N. 16th St., Phila.

STELL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

"SURETY BONDS"
Smith-Austermuhl Co.Camden, N. J.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VERNEERS (Wood)
H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD, COMPO BOARD
Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Benjamin Foster Company,
20th and Venango Sts., Phila.
Master Builders Co.Otis Bldg., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co.....1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING
Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co.....Bourse Bldg., Phila.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

No Property Is Immune

to windstorm damage. No section of the country can claim, "The wind can never cause destruction here."

Insurance against destruction or damage occasioned by violent winds will add very little to your insurance budget, but add a great deal to the safety of your property investment.

Your agent can give you windstorm insurance in a reliable company.

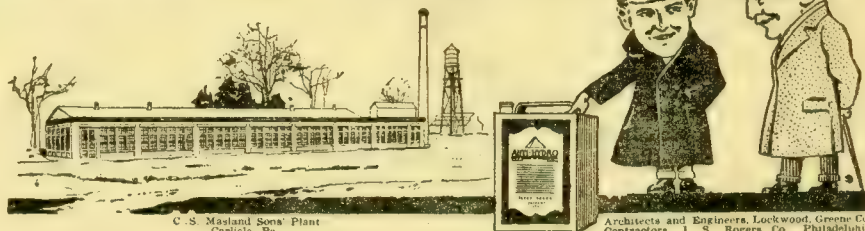
Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

You Can Lay Permanently Hard and Waterproof Concrete in Freezing Weather with the Aid of "ANTI-HYDRO"



In this carpet factory the concrete floors were both hardened and waterproofed in one operation with the aid of "ANTI-HYDRO." The floors are so hard that they never dust up and fill the air with gritty dust to settle in the machinery.

"ANTI-HYDRO" has an added value for cold weather work. It lowers the freezing point of concrete and cement mortars to 15 degrees F., making it possible to work during extremely cold weather and finish your contracts on time with prompt payments for completed work.

Being a liquid integral compound, "ANTI-HYDRO" is easy to use. Simply mix it with the gauging water—no skilled labor required. For 22 years "ANTI-HYDRO" has been the accepted standard. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

PAUL J. DEVITT

BUILDERS' HARDWARE

1101, 1103, 1105 SO. SECOND STREET, PHILADELPHIA, PA.

PAUL J. DEVITT will open a branch store in the NEW ARCADE BUILDING, 69th and Market Streets, opposite the Terminal, on or about DECEMBER 4th, with a FULL LINE of BUILDERS' HARDWARE, TOOLS and kindred lines. We will maintain the same scale of low prices and quality of goods that we have always had in our down-town store.

WRITE FOR OUR BUILDER HARDWARE CATALOGUE

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 6
February 9, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

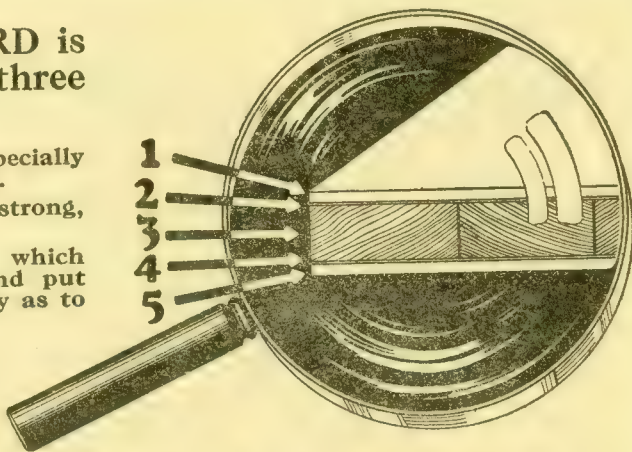
Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.

LIBERTY

WHERE THIS BOOK GOES
SO DO WE
NO JOB TOO BIG OR TOO SMALL
A COMPLETE INSTITUTION
IN ALL ITS BRANCHES

HOUSE AND WINDOW CLEANING COMPANY

629 CHESTNUT STREET, Philadelphia, Pa.

BELL PHONE: LOMBARD 6400

OUR 15 YEARS EXPERIENCE YOUR GUARANTEE

SERVICE SUPREME
SKILLED WORKMEN
ALL JOBS PERSONALLY
SUPERVISED BY EXPERTS
OUR PRICES ARE RIGHT
AND HARD TO BEAT

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

**Mixed Concrete Delivered in Trucks
for All Classes of Work**

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

**Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony**

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**

Ceresit Waterproofing Corp. **OF CHICAGO**

***Dampproof, Plaster Bond, Roofing
Foundation Coats***

***Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners***

***Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound***

***Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid***

**Phila. Building Materials Co.
JOHN F. DAKIN
Distributing Agents**

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

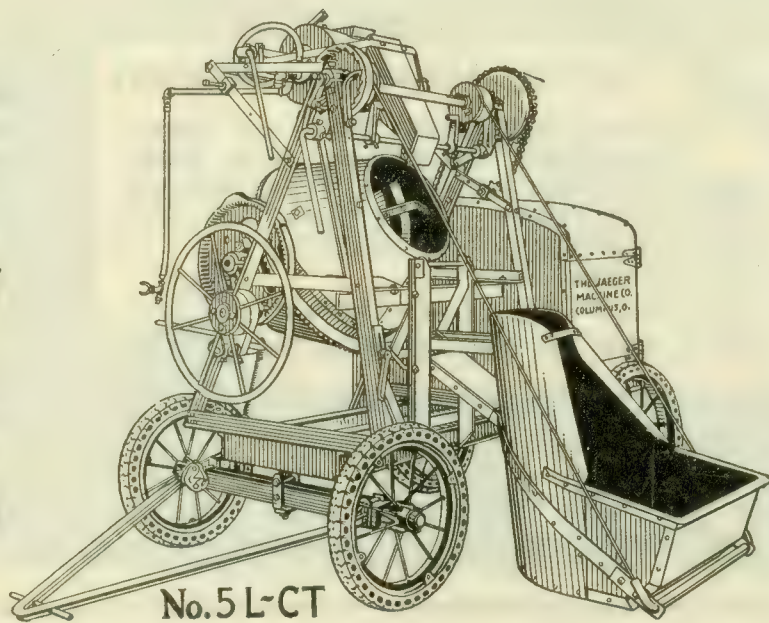
**FABRICATED STEEL
IRON BAR**

**RICHARD DeCOU CO.
Steel Warehouse**

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
S

No. 5 L-CT

S
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street
PHILADELPHIA

Jefferson 6800

East 7785

Rittenhouse 5559

Race 99-28

**HARRY A. WHARTENBY
IRON, STEEL, BRONZE**

Manufacturers' Representative
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

**TRAY ELEVATORS AND LOWERATORS
CONVEYOR EQUIPMENT**

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

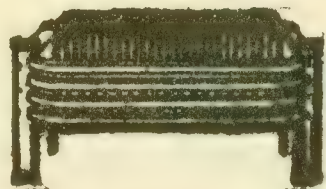
LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Go to **HENRY M. MILLER**

50 North 2nd Street



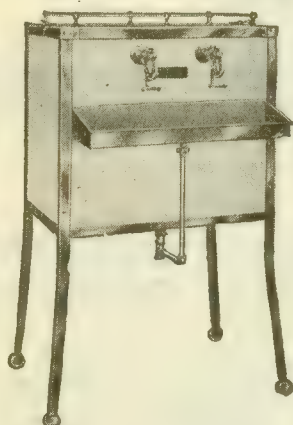
FOR

**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our showroom before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°

But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 6

February 9, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



REINFORCED CONCRETE—ITS SHORTCOMINGS AS A MATERIAL

In Militant Review Professor Swain Concludes That Concrete is Variable, Un-dependable, Changing During Its Life, and Non-permanent—Paper and Discussion Summarized

Recently Prof. George F. Swain, of Harvard University, addressed the Boston Society of Civil Engineers on the subject, "Why I Prefer Steel to Reinforced Concrete." The address was a detailed review of those features of concrete and its behavior that had given trouble or have been subjected to special study. It constituted a large-scale indictment of concrete. Structural steel (and to some extent other building materials) were described as preferable to concrete and reinforced concrete in a great many uses where concrete has come to occupy a distinct place in the construction art. The paper was, with slight change, identical with one read by Professor Swain before the organization of the steel fabricators, the American Institute of Steel Construction, at its annual convention two months ago, under the title "Steel for Strength and Security." At

that convention the paper was not discussed. The Boston meeting, however, at which 250 to 300 engineers gathered, entered into very active discussion of Professor Swain's paper, in which discussion he was almost unanimously opposed.

A greatly condensed version of the paper follows, together with notes of the Boston discussion. References and citations, which form a large part of the original, are of necessity here omitted, but the general course of the argument is reproduced.

At the outset the author named as main virtues of a structural material economy, durability and strength, and further listed under strength such qualities as toughness, constancy, and high tensile strength, which latter he considers desirable even in a compression material. On the basis of this outline, he referred very briefly to the particular excellences of wood, of stone, and of burnt clay products, and more at length to those of steel. With this preparation, he plunged into his critical review of concrete, of which what follows is exact quotation though much of the text is necessarily omitted.

* * *

The first peculiarity of concrete to be

noted is that it is not a finished product. It is made on the job. The engineer must not only design the structure but he must design the material. The constituents, stone, sand, cement, and water, are each subject to defects that must be guarded against, and they are extremely variable. The stone and sand must be graded properly in size, and mixed in proper proportions with the cement and water; and this must be done, not in the laboratory or factory, but on the job, with all the necessary uncertainties, and often with very unskilled labor. The material is not finished until it is in the structure, and then it cannot be tested or rejected.

Another most important characteristic of concrete is that it changes after it is placed beyond recall in the structure. In this respect it differs radically from all other structural materials. The real manufacture of the material begins then, when it begins to set and harden. The phenomena of setting and hardening are not fully understood. It seems to be partly a crystallization, but mainly the hardening of a colloidal mass composed of cement particles which absorb water and swell, the water gradually penetrating into the particles.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

All concrete, unless waterproofed, is more or less porous, and will swell and shrink when wetted and dried, and with varying moisture in the atmosphere. Further, a large part of the cement in concrete is soluble in water, and can be dissolved out or can form other compounds with acids in the water.

Variability—Consider the situation for a moment. Concrete is a material made on the job, dependent upon the quality of stone, sand, cement, and water, the proportions, the care in mixing and placing, and much influenced by small variations in the quantity of water used. It sets after being placed beyond recall. Its ultimate condition depends much upon the curing, or treatment during setting, and the amount of water given it. It expands and contracts subsequently as it is wetted and dried. Is it not obvious that there must be considerable uncertainty in the resulting product? Modern methods of field control have made it easier to secure uniformity and good quality, but great lack of uniformity still exists. If a pint of water in a batch makes so much difference, how can we expect uniformity with ordinary workmen, varying weather and varying moisture in the materials? What would be thought of steel if the ingredients, iron and carbon, or ferrite, cementite, and amorphous material had to be selected from widely varying materials, mixed in the field, put into the structure when molten, and allowed to harden there? How much better and more reliable than concrete is a material like steel, which comes to us a finished product that can be tested, which suffers no change of constitution when put in the structure, which is not porous and cannot have its constituents washed out, and is only subject to surface oxidation, which can be prevented!

Volume Change—The strength of concrete varies with the temperature and with the degree of saturation. . . . But this is not all. Setting in water, reinforced concrete expands, causing tension in the steel and compression in the concrete. Setting in air, it contracts, causing compression in the steel and tension in the concrete. Professor White (Alfred H. White, professor of chemical engineering, University of Michigan) says that "these volume changes, which seem due to a fundamental property of portland cement, are the most potent causes of the destruction of concrete exposed to the weather. If concrete is to be kept constant in volume, its moisture content

must be held relatively constant," and this cannot be done unless it is waterproofed and all water prevented from entering, and in this case complete hydration will probably be prevented.

The expansion of 1:2:4 concrete in water may amount to 0.01 per cent. in 120 days, and the contraction in air to 0.05 per cent or more. This means that a bar 100 ft. long may contract 0.6 in. . . . In a 10x10-in. bar 10 ft. long with one 3/4-in. rod, the bond stress may be 130 lb. due to shrinkage. . . . There is no doubt of the seriousness of these stresses. In columns, the shrinkage stresses may exceed those allowed in the design, while in beams the tension reinforcement will be relieved but the concrete tension increased. These stresses have generally been entirely ignored because they were not known.

Theory—Turning now to the usual methods of computing reinforced-concrete structures, the situation is also uncertain and unsatisfactory. . . . As a matter of fact, nobody knows how a reinforced-concrete beam acts. It probably acts partly as a beam, partly as an arch, partly (if rods are bent up at the ends) as a catenary or suspension system, and nobody knows to what extent in each way. And I have always wondered just what bond there is in a reinforced-concrete beam after it has been in use for some months or years, and exposed to a series of alternate wettings and dryings, with accompanying shrinking and swelling. . . . The bond is certainly not distributed as the usual theory assumes, and the stress in the steel at a point where the moment is not a maximum may, if there is truss action, be greater than computed. The bond may not act in the same direction at all points of a bar, and suddenly increases where a bar is cut off. I am forced to the conclusion that the theory of reinforced concrete is still almost wholly empirical. We know little about it except that certain beams have carried certain loads in laboratory tests.

Further, it is to be observed that before a beam can act according to the usual theory, with the rods stressed to say 16,000 lb., the concrete must crack. This is the only structure composed of two materials in which the accepted theory presupposes the actual rupture of one of the materials. This certainly does not look very good.

Consider now the concrete column reinforced by longitudinal rods. The shrinkage of the concrete due to varying mois-

(Continued on page 94)



Good Work

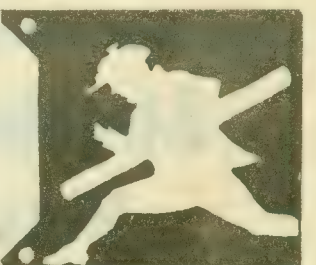
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building, 260 S. 15th St., Phila. Architect Max A. Bernhardt, 127 S. 18th St., Philadelphia. Owner, Geo. Weinrott, Public Ledger Bldg. Brick, reinforced concrete, 5 stories, 30x60 feet, slag roof, cement floors, elevators, steam heat, electric light. Plans in progress, ready for bids in a few days.

Bridge, 5th and Hunting Park Ave., Phila. Architect, private plans. Owner, City of Phila., Dept. of Public Works. Steel, concrete, 120x150 feet. Owner taking bids due Feb. 16th.

Store and Apartments (2), Germantown, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, cast stone, 2 stories, 16x68 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work, metal bulks, plate glass, gas logs. Plans in progress.

Residence Operation, Marshall street, Baring to Hampden road, Philadelphia. Owner, J. H. McClatchy, Land Title Building, Philadelphia. Various types and sizes. Work contemplated.

Factory (alts. and add.), 1238-46 Belmont avenue, Philadelphia. Architect, E. H. Poggi, 1520 Locust street, Philadelphia. Owners, Central Construction & Supply Co., care of T. Shipley, 2222 Arch street, Philadelphia. Brick, 3 stories, 100 feet x irregular. Revised plans in progress.

Factory (add. and alts.), 525 North Ninth street, Philadelphia. Architect, S. Abrahamson, 918 North American Building, Philadelphia. Owners, Starn Metal Mfg. Co., care of architect. Preliminary plans now in progress.

Store and Residence, Residence and Basement Store, Residences (28), Oxford Circle and Northeast Boulevard, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 2 stories, (28) 16x36 feet, (2) irregular, slag and tin roof, hardwood floors, hot water heat, electric light, tile work, cement, metal lath, 14 basement garages, metal bulks, plate glass. Plans in progress.

Service Station, Frankford, Philadelphia. Architect, Christian H. Fries, Frankford and Oxford street, Philadelphia. Owner, name withheld. Brick, steel, 1 story, 60x120 feet, slag roof, cement floors, steam heat, plumbing. Sketches being drawn.

Office Building (alts. and add.), 313 South Smedley street, Philadelphia. Architects and owners, Edwin H. Silverman and Abraham Levy, Elrae Building, Philadelphia. General alterations and additions. Plans in progress.

Bridge Rebuilding, between Telford and Sellersville, Bucks County, Pa. Engineer, John S. Roberts, Jr., County Engineer, Bristol, Pa. Owners, Bucks County Commissioners,

Bristol, Pa. Concrete, 43-foot span, 24-foot roadway. Plans in progress.

Factory Building, Southwest Corner Rubican and Collins streets, Philadelphia. Architect, private plans. Owner, N. Neuman, care of Paragon Knitting Mills, 3907 Powelton avenue. Brick, 3 stories. Plans in progress. Bids will be taken in about ten days.

Department Store, 537-39 South street, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, steel, 2 stories and basement. Owners ready for bids in a week.

Residences (39), Alcott and Colgate streets, Philadelphia. Architect, private plans. Owner, E. M. Davenport, 514 Van Kirk street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will be ready for sub-bids in one week.

Apartment House, Southeast Corner Fifty-eighth and Florence streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, H. Barton, 8201 Christian street, Philadelphia. Brick, steel, limestone, cut stone, bluestone, 4 stories, 75x205 feet, 72 apartments, slag roof, hardwood and linoleum floors, vapor heat, oil burning, electric light, tile and marble work, kalamein doors, electric elevators, refrigeration. Plans completed. Owner ready for sub-bids.

Moving Picture Theatre, Southeast Corner Forty-second and Walnut streets, Philadelphia. Architects, Edward & Green, Camden, N. J. Owner, N. Robinson, Franklin Trust Building, Philadelphia. Seating capacity, 2,000. Plans in progress. Will be ready for bids in about six weeks.

Residences (58), Woodlawn and McMahon streets, Philadelphia, \$260,000. Architect, private plans. Owner, Joseph E. O'Neill, care of G. H. Weinrott, Public Ledger Building, Philadelphia. Brick, 2 stories, hot water heat, electric light, tile work, slag roof, hardwood floors. Owner and builder taking sub-bids due as soon as possible.

Residences (33), North side Malvern avenue, Philadelphia, \$160,000. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Roland C. Lewis, care of G. H. Weinrott, Public Ledger Building, Philadelphia. Brick, 2 stories, central heating plant, electric work, tile work. Owner and builder taking sub-bids due as soon as possible.

Residences (57), Linton street, between Front and Mascher streets, Philadelphia. Architect, private plans. Owner, Joseph Sheperla, 1152 Wagner avenue, Philadelphia. Brick, 2 stories (bricklaying reserved), hot water heat, electric light, metal lath, tile

work, slag roof, hardwood floors. Owner is taking sub-bids due as soon as possible.

Residences (33), Stores (2), 3900 North Smedley street, Philadelphia, \$225,000. Architect, Philip Stein, Otis Building, Philadelphia. Owners, Goldstein Brothers, 1951 North Fifty-second street, Philadelphia. Brick, 2 stories, hot water heat, electric light, tile work, slag roof, hardwood floors. Owners and builders to take sub-bids due February 15th.

Residence, Rhawn street, Castor road, Castor Gardens, Philadelphia. Architect, Christian H. Fries, Frankford and Oxford avenue, Philadelphia. Owner, Emil Anderson, 639 North Nineteenth street, Philadelphia. Brick, 1½ stories, 25x37 feet, asphalt shingle roof, hardwood floors, cement work, hot water heat, electric light, tile work. Owner will take sub-bids.

Tenement Houses (2), Knorr and Hegerman streets, Tacony, Pa. Architect, private plans. Owner, name withheld. Brick, 2 stories, 32x36 feet each, slag roof, hardwood floors, hot water heat, electric light, tile work. Charles R. Davis & Son, 4729 Ludlow street, Philadelphia, taking sub-bids.

Residences (187), East Gorges lane, South of Berks, Philadelphia, \$700,000. Architect, private plans. Owner, K. Kaiserman, 1505 Bankers' Trust Building, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, hardwood floors, tile work. Preliminary plans in progress. Will be ready for bids about March 15th.

Loft Building, 2209-11 Chestnut street, Philadelphia. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Brick, concrete, 3 stories and basement, 34x120 feet, slag roof, wood floors, vapor heat, electric light, rolled steel sash. Architect will be ready for general bids in ten days.

School, East Roosevelt Boulevard, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ambrose's Roman Catholic Church, Rev. J. A. Hughes, on premises. Plans in progress. Will be ready for bids in three weeks.

Demolition, 1814-20 Arch street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Boyertown Burial Casket Co., 1211 Arch street, Philadelphia. Architects inviting bids due February 10th.

Alterations to Fourth Floor, Sixteenth and Girard avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Joseph's Hospital, on premises. Bond, brick work, carpentry and mill work,

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox

A. S. Janeway

Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY

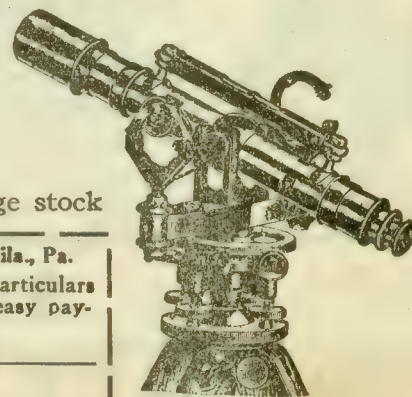
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.

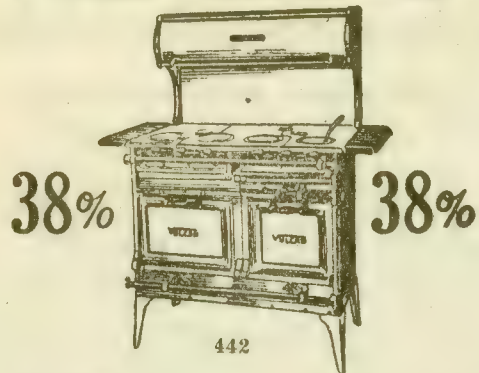
Without obligation send me full particulars about the Weilco Level and your easy payment plan.

Name _____

Address _____

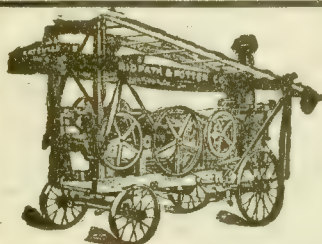


VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

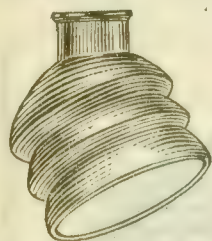
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

metal lath, plastering, concrete work, marble, terrazzo and tile work, hardware, metal weather strip, painting and glazing, mechanical refrigeration, plumbing, steam heat, electric light, sterilizer equipment and cabinet, alterations roof. Architects taking bids due February 10th.

Factory (add.), Twenty-fifth and Fox streets, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Rosenau Brothers, on premises. Brick, cast stone, steel, 2 stories and basement, 75x75 feet, slag roof, cement floors, elevators, metal window guards, kitchen equipment, dumb waiters, dampproofing, ornamental iron work, iron stairs, bond, fire and kalamein doors, rolled steel and hollow metal sash, tile work. Architect taking bids due February 10th.

Hospital Buildings (5), Eighth and Thompson streets, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, St. Luke's and Children's Homeopathic Hospital, on premises. Architect taking bids due February 23rd at noon.

Bridge, Hunting Park avenue over North Pennsylvania Railroad. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Certified check, 5 per cent. Inquire Room 416. Owners taking bids due February 16th at noon.

Apartment Buildings (3), Twentieth and Estauigh streets, Philadelphia, \$46,000. Architect, private plans. Owner, A. Leibowitz, 1112 Franklin Trust Building, Philadelphia. Brick, 4 stories, (2) 47x36 feet, (1) 18x35 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Permit issued.

Residences (55), Rittenhouse street, East of Limekiln pike, Philadelphia, \$171,400. Architect, private plans. Owners, Gollub, Greene & Sklar, Inc., 742 Herkness street, Philadelphia. Brick, 2 stories, 15x28 feet, slag roof, pine floors, hot water heat, electric light. Plans filed.

Apartment House, 6433 North Broad street, Philadelphia, \$90,000. Architect, private plans. Owner, B. L. Shapiro, Thirteenth and Cheltenham avenue, Philadelphia. Brick, 4 stories, 80x120 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Permit issued.

Shop, South side Penrose Ferry road, East of Schuylkill River, Philadelphia. Architect, private plans. Owners, Gulf Refining Co., Girard Point, Philadelphia. Iron on iron, 1 story, 35x55 feet. Permit issued.

Residence (add.), 8644 Tinicum avenue, Philadelphia, \$2,000. Architect, private plans. Owners, William Greenman, 8321 Botanic avenue, Philadelphia. Brick, second story add., 10x16 feet. Permit issued.

Residence (add.), 1205 Cottman street, Philadelphia, \$3,000. Architect, private plans. Owner, Arthur G. Thompson, 1012 Cottman street, Philadelphia. Brick, 2 stories add., 26x16 feet. Permit issued.

Residence (add.), 629 South Fifty-second street, Philadelphia, \$2,500. Architect, private plans. Owner, Samuel C. Carhers, 1712 South Twenty-third street, Philadelphia. Brick, 2 stories add., 13x16 feet 6 inches. Permit issued.

West Philadelphia High School (alts. and add.), Forty-eighth and Walnut streets, Philadelphia. **School**, Cottman and Loretta streets, Philadelphia. Architect, I. T. Catharine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: West Philadelphia High School—William Langhorne, 10 South Eighteenth street, Philadelphia, \$189,890; Robbins Contracting Co., 1137 North Front street, Philadelphia, \$221,826; plumbing, John Borden & Bro., 637 North Nineteenth street, Philadelphia, \$19,918; electric, Mitchell & Co., 1337 McFerran street, Philadelphia, \$8,875; heating, Thompson Brothers, 512 Buttonwood street, Philadelphia, \$12,841; ventilating, W. P. Cameron Engr. Co., Packard Building, Philadelphia, \$2,697. Cottman and Loretta streets—McCloskey Co., 1620 Thompson street, Philadelphia, \$978,471; Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia, \$997,800; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$41,854; electric, Walker Kepler, 531 Chestnut street, Philadelphia, \$48,033; heating, McClinck & Co., 5608 Race street, Philadelphia, \$35,495; ventilating, Thompson Brothers, 512 Buttonwood street, Philadelphia, \$8,833.

Miscellaneous Sewer Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Sixty-sixth avenue, York to Sixteenth street; P. Pinciotti, 4103 Roosevelt Boulevard, Philadelphia, \$9,202.75. Shamokin street, Nineteenth to Twentieth; Peter De Mayo, 817 South Hutchinson street, \$3,800. Summerdale avenue, Magee to Unruh street; F. T. Buckius, Jr., Kensington avenue and Deal street, \$3,427. Wingohocking, in Howard street; A. J. Driscoll, 100 West Apsley street, Philadelphia, \$27,395. Richmond, Erie to Butler, Aramingo; R. & J. Lombardi, Lincoln Building, Philadelphia, \$91,997. Champlott, Fourth to Fifth; A. Carrado, 5920 Magnolia street, Philadelphia, \$4241.15. Ruscomb street, Nineteenth to Twentieth street; P. & A. J. Ellis, Fourth and Courtland, \$5,116.75. Fifty-second and Montgomery to Parkside, Fifty-second to West Peach street; A. Franzi, 513 East High street, \$16,484.60. Gray's avenue, Ithan to

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

Fifty-eighth; V. S. Campelloni, 3856 North Tenth street, \$5,792.50. Mifflin street, Delaware to Vandalia street; C. C. Campelloni, 3756 North Tenth street, \$2,411.86. Gibson avenue, Fifty-sixth to Fifty-eighth street; Peter De Mayo, 817 South Hutchinson street, Philadelphia, \$7,055.75. Glen Echo road, McCallum to Cherokee street; P. Pinciotta, 4103 Roosevelt Boulevard, Philadelphia, \$7,893.50. Ditman street, Levick to Hellerman streets; V. S. Campelloni, 3856 North Tenth street,

Philadelphia, \$4,041.75. Ditman street, Sheffield to Hartel street; V. S. Campelloni, 3856 North Tenth street, Philadelphia, \$6,124.50. Warnock street, Champlost to Summit lane; P. & A. J. Ellis, Fourth and Courtland streets, Philadelphia, \$4,049.50. Tenth street, Champlost to Summitt South; P. & A. J. Ellis, Fourth and Courtland, Philadelphia, \$4,187.25. Walker street, Rhawn to Welsh road, Nule street; McIntyre Const. Co., 6811 North Franklin street, \$16,466.39.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Laundry and Office, E. S. 6th St., S. of Somerset St., \$30,000. Architect, private plans. Owner, B. J. Bourne, 629 W. York St., Phila. Brick, 2 stories, 54x136 feet, carpentry and millwork, electric light. Contract awarded to Harry Gill, Jr., 2515 Germantown Ave., Phila.

Auto Service Building, 57th and Walnut Sts., Phila. Architect, Willis A. Hall, Upper Darby, Pa. Owner, James T. Fitzgerald, care of architect. Brick, cut stone, steel, 1 story and basement, 53x55 feet, slag roof, cement floors, metal lath, tile work, ornamental iron work. Contract awarded to Merion Const. Co., Merion, Pa.

Building, Allegheny and Tulip Sts., Phila. Architect, Edwin Yeo, 225 S. Sydenham St., Phila. Owner, Northeastern Hospital, on premises. 3rd floor addition, carpentry, millwork, electric light, painting and glazing, heating. Contract awarded Knox Landers, 1132 Vine St., Phila.

Offices (alts. and add.), Morris Building, 1411 Chestnut street, Philadelphia. Architect, A. H. Brockie, 254 South Fifteenth street, Philadelphia. Owners, E. B. Smith & Co., on premises. Bronze work, cabinet work, call bell system, dumb waiter, electric work, elevator, elevator doors, hardware, kalamein doors, lockers, mail chute, marble work, painting and glazing, plumbing, plastering, pneumatic tubes, slag roof, reinforced concrete, structural steel, vault doors, metal lath, rubber flooring. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Office Building and Warehouse, Luzerne, East of Nicetown lane, Philadelphia. Architect, C. E. Wunder, 1520 Locust street, Philadelphia. Owners, Mack Paving Co., on premises. Brick, concrete, steel, 1 story, 46x90 feet, 2 stories, 45x25 feet, slag roof, concrete floors, steam heat, electric light, metal lath, rolled steel sash, fire doors, vault doors, architectural terra cotta, rolling steel doors, damp-proofing. Contract awarded E. E. Hollenback, Inc., 1910 North Marshall street, Philadelphia.

Building, Garage and House (alts.), 569 Fairthorne avenue, Philadelphia, \$15,000. Owners, Fairmount Farms, Inc., on premises. Carpentry, plastering, metal lath, vapor heat, painting, maple and pine floors, hardware. Contract awarded E. E. Hollenback, Inc., 1910 North Marshall street, Philadelphia.

Apartment House (add.), 1905 Walnut street, Philadelphia. Architect, Ralph Benckert, Bellvue Court Building, Philadelphia. Owners, Rittenhouse Plaza, Nineteenth and

Walnut streets, Philadelphia. Brick, limestone, steel, concrete, 3 stories, 19x136 feet, structural steel, concrete work (heating, plumbing, electric reserved), plate glass, Zourie store fronts. Contract awarded Roberts & Roller, 1700 Walnut street, Philadelphia.

Stenton Park Branch Station, Sixteenth and Courtland streets, Philadelphia. Architects, Stuckert & Co., Crozer Building, Philadelphia. Owners, Scott-Powell Dairies, Inc., Forty-fifth and Parrish streets, Philadelphia. Brick, architectural terra cotta, steel, 2 stories and basement, 145x84 feet, built-up roof, cement floors (plumbing, heating, electric reserved), metal lath, rolled steel sash, ornamental iron work. Contract awarded Bowden Const. Co., 1607 Summer street, Philadelphia.

Parochial School, 623-25 Christian street, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Mary Magdalen De Pazzi, Rt. Rev. Msgr. A. Garritano, 710 Montrose street, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 140x72 feet, slag roof, cement and maple floors, metal weather strip, architectural terra cotta, metal lath, tile and marble and terrazzo work, rolled steel sash, bond, ornamental iron work, metal toilet partitions. Contract awarded P. H. Kelly, 1713 Sansom street, Philadelphia.

Store and Apartment, 3434 North Broad street, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Park Realty Co., 4104 North Fifth street, Philadelphia. Contract awarded Braun Brothers, 13 East Moreland avenue, Philadelphia.

Council Headquarters Building, 2009 Spruce street, Philadelphia. Architects, Hoffman-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

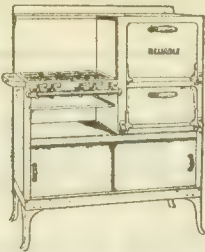
All the newest models
in the best grades.

TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick Paving Brick

Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Mur

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

B
19

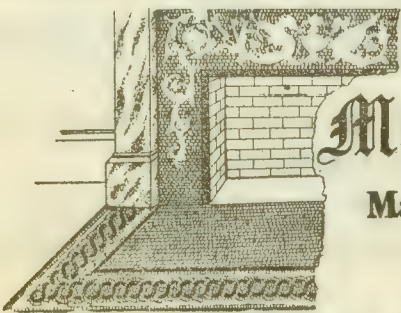
THERE IS ONLY ONE IN-A-
"THE MURPHY"

STERLING STUCCO and PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH ST. MARTINS BUILDING STONE "Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON

Protects Concrete



Regulates the set, and eliminates uncertainty
of cement floor finish. Furnished in cry
the job. This results in economy. For fur

WAREHOUSE STOCK
IN PHILADELPHIA

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

EDS

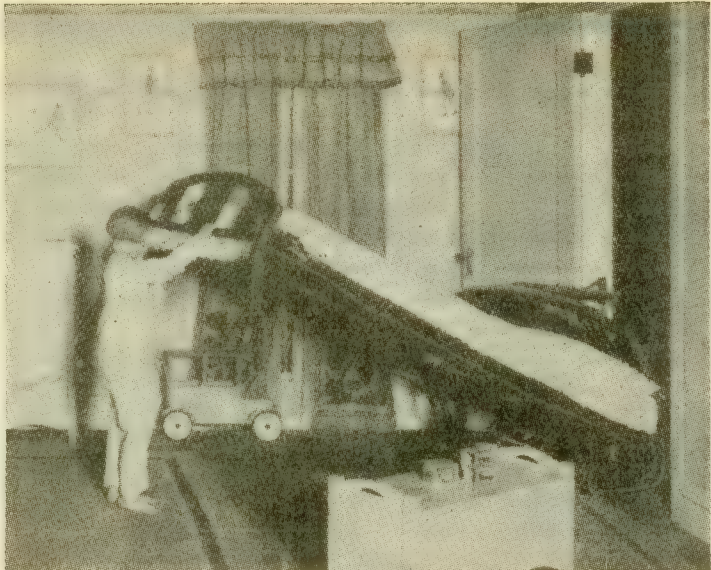
mes
ings

call at our
in kitchen
boards as
beds

CO.

y Building
44th Street
v York

BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.

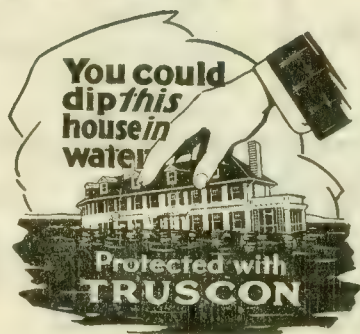


EMPERITE

m Freezing

as to time for first trowelling
orm, all water being added at
information, ask

e Truscon
boratories



Phila. Office :
1505 Race Street

Instead of Leaky Shower Bath Curtains
LEHMAN SPRAYSHIELDS

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation

Designed Right
Priced Right

L. H. LEHMAN
1210 North 8th Street
PHILADELPHIA

*"Don't Bathe
In a Tent"*

STRUCTURAL STEEL
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

BELZ-PARR, INC.**Architectural
Cast Cut Stone
Department****GRANITE
LIMESTONE
GRAYSTONE**

Office and Factory

344 Haddon Avenue**WESTMONT, N. J.**

Bell, Collingswood 1788

MITCHELL BROS.**Carpenters, Builders and Contractors
2125 Race St., Phila.**

Bell, Rittenhouse 4603 Keystone, Race 6062

SALES ENGINEER

Technically trained man age 33, extensive experience in power plant, electrical and heating design and some sales experience desires Philadelphia connection. Builders' Guide, Box 1, Perry Bldg., Phila.

**Reinforced Concrete
and Cement Work**Get our estimate first on
"THAT CEMENT JOB"**FREDERICK MASSIAH****S. E. Cor. Juniper and Cypress Sts.**Bell Phone—Walnut 4165
Keystone Phone—Race 3760**PHILADELPHIA****CHAPMAN SLATE CO.****BETHLEHEM, PA.****ROOFING SLATE EXCLUSIVELY****The Only Manufacturers of Genuine Chapman Slate**

Henon, Inc., Finance Building, Philadelphia. Owners, Knights of Columbus, W. Rooney, 1329 South Twenty-fourth street, Philadelphia. Brick, steel, basement and auditorium, 36x116 feet, 50 feet high, slag roof, composition floors, hardwood floors, electric light, tile and marble work, plumbing, iron work. Contract awarded Thomas Monaghan, 2009 Sansom street, Philadelphia.

Stack, Northwest Corner Seventeenth and Locust streets, Philadelphia, \$3,200. Owners, Seventeenth and Locust Streets Realty Corp., on premises. Contract awarded to W. J. Donovan, Seventeenth and Locust streets, Philadelphia.

Store (alts.), 119 North Eighth street, Philadelphia, \$3,000. Architect, private plans. Owner, Harry Liberman, 1237 Market street, Philadelphia. General alterations. Contract awarded to D. Warshawsky, 812 North Marshall street, Philadelphia.

Residence (add.), 1007 North Seventh street, Philadelphia, \$2,500. Architect, private plans. Owner, E. Ricefield, 1007 North Seventh street, Philadelphia. Brick, 2 stories add., 11x12 feet. Contract awarded to B. Arrow, 992 North Seventh street, Philadelphia.

Office, Northeast Corner Lima and Stafford streets, Philadelphia, \$48,000. Architect, private plans. Owners, Miraculous Medal Association, 101 East Price street, Philadelphia. Brick, 4 stories, 27x60 feet, 26x40 feet. Contract awarded to D. W. O'Dea, 420 Duncannon street, Philadelphia.

Stack, West side J street, North of Ontario street, Philadelphia, \$9,800. Architect, private plans. Owners, William Brown Co., J and Ontario streets, Philadelphia. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

Service Station, West side. Fifty-seventh street, North of Walnut street, Philadelphia, \$14,900. Architect, private plans. Owner, J. T. Fitzgerald, Langhorne, Pa. Brick, 1 story, 13x36 feet, cement floors, electric light, slag roof. Contract awarded to Merion Const. Co., Ardmore, Pa.

Residence and Store (add. and alts.), 1920 South street, Philadelphia, \$6,000. Architect, private plans. Owner, Max Gayer, 1120 Brandwine street, Philadelphia. Brick, 1 story add., 16x35 feet, general alterations. Contract awarded to Frank Kaiser, 4916 Sommerdale avenue, Philadelphia.

Service Station, Northeast Corner Sixty-sixth and Wyncote avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Harry Lipschultz, Broad and Windrim streets, Philadelphia. Brick, 1 story, 16x11 feet 10 inches, cement floors, electric light. Contract awarded to A. R. Raff Cont. Co., 1635 West Thompson street, Philadelphia.

Warehouse (alts.), 206 Chestnut street, Philadelphia, \$2,500. Architect, private plans. Owners, L. P. Muller & Co., on premises. General alterations. Contract awarded to Wark Co., 1600 Walnut street, Philadelphia.

Residence, 3362 East Thompson street, Philadelphia, \$6,100. Architect, private plans.

Owner, Josephine Marszalek, 3426 Tilton street, Philadelphia. Brick, 2 stories, 16x58 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Stanislaw Ozga, 3370 Salmon street, Philadelphia.

Hall (add.), 3303 Frankford avenue, Philadelphia, \$4,500. Architect, private plans. Owner, William Richards, on premises. Brick, second story add., 18x44 feet. Contract awarded to John Enoch, 3059 Agate street, Philadelphia.

**Pennsylvania
Construction News**

Open Air Swimming Pool, between Wilson and Campbell avenues and Township Line, Llanerch, Pa. Architect, private plans. Owner, H. S. Miller, Fifty-second and Lancaster avenue, Philadelphia. Reinforced concrete, 100x225 feet, plumbing, parking space, fencing. Work contemplated.

Apartment Building, Florence and Francis avenues, Sharon Hill, \$500,000. Architect, Willis A. Hall, Upper Darby, Pa. Owners, County, care of W. Harold Kirkpatrick, Collingdale, Pa., Rev. Alexander Mackie, Sharon Hill; Bert R. Parker, Sharon Hill, Pa. Brick, steel, 5 stories, 200x125 feet, limestone, concrete. Plans in progress.

Church (alts. and add.), 44 East Market street, Bethlehem, Pa. Architect, C. M. Lovelace, Bethlehem Trust Building, Bethlehem, Pa. Owners, Trinity Episcopal Church, Rev. E. T. Haines, 222 East Market street, Bethlehem, Pa. Brick. Plans in progress.

Mission Church, Elmhurst, near Scranton, Pa. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Roman Catholic Church, care of Rev. T. M. Jordan, Moskow, Pa. Stone, 1 story, 34x70 feet, slate roof. Plans in progress.

Nurses' Training School, Bethlehem, Pa., \$300,000. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, St. Luke's Hospital, Dr. N. M. Emery, 41 East Market street, Bethlehem, Pa. Stone, steel, brick, concrete, 3 stories. Plans in progress.

Home Building, Belmont avenue, Bala, Pa. Architect, Charles Z. Klauder, Franklin Bank Building, Philadelphia. Owners, Edwin Forrest Home (care of W. E. Herring, 126 North Twelfth street, Philadelphia. Preliminary plans in progress.

Station, Shamokin, Pa. Architect, Otto G. Herold, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, 2 stories. Sketches in progress.

Residence, Carbondale, Pa. Architect, Alexander Prawdzik, 821 Moosic street, Scranton, Pa. Owner, Ezra Stipp, Scranton Real Estate Building, Scranton, Pa. Brick, 2½ stories. Plans in progress.

Residences (2), Indiana Creek Tract, Overbrook, Pa. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, P. H. Stull, Morris Building, Philadelphia. Stone, 2½ stories, 50x65 feet, shingle roof, hardwood floors, vapor heat, electric light, tile and marble work. Plans in progress.

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS****3935 SANSOM STREET, PHILADELPHIA**

Schools (3) (alts. and add.), Old Forge, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Old Forge School District, J. W. Cook, Old Forge, Pa. Brick, 2 stories. Plans in progress.

School (grade), Old Forge, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Old Forge School District, J. W. Cook, Old Forge, Pa. Brick, 2 stories and basement, 8 rooms. Plans in progress.

Bank and Office (add. and alts.), 16 North Main street, Wilkes-Barre, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Liberty State Bank & Trust Co., F. F. Farrell, president, 23 North Main street, Wilkes-Barre, Pa. Brick, stone, 4 stories, 40x130 feet. Plans in progress.

Church (add. and alts.) to School, Ashley, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, name withheld. Brick, 2 stories. Plans in progress.

Nurses' Home, Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Wyoming Homeopathic Hospital, A. C. Overput, 149 Dana street, Wilkes-Barre, Pa. Brick, steel, 4 stories, 51x34 feet, composition floors, vapor heat, electric light, steel sash, iron stairs. Plans in progress.

High School, Norristown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School District of Norristown, Pa. Brick, steel, 3 stories and basement. Architects ready for bids in a few days.

Twin Residences, Rowland Park, Cheltenham, Pa. Architect, C. M. Wells, 3617 North Broad street, Philadelphia. Owners, Philadelphia Contracting Co., 1439 South Broad street, Philadelphia. Stone, block, 2½ stories, 16 feet 10 inches x 40 feet, shingle roof, oak floors, hot water heat, electric light, tile and marble work. Owners taking bids.

Additions, Swarthmore, Pa. Architect, C. M. Wells, 3617 North Broad street, Philadelphia. Owner, Paul Paulson, 100 Park avenue, Swarthmore, Pa. Brick, block, 1 story, 28x23 feet, slag roof, pine floors, hot water heat, electric light, metal lath, metal bulks, metal ceilings. Architect ready for bids in two weeks.

School No. 33, Quincy street, Scranton, Pa. Architect, A. P. Coon, Traders' Bank Building, Scranton, Pa. Owners, Scranton Board of School Control, J. D. Hughes, secretary, 425 North Washington street, Scranton, Pa. Brick, steel, fireproof, 3 stories, 30 rooms, slag roof, maple floors, hollow tile, roof ventilators, iron stairs, fire doors, steel sash, skylights, tile work (heating, plumbing and electric separate). Owners will be ready for bids February 21st.

Residence, Reading, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Mrs. Y. W. Landis, care of architects. Stone, 2½ stories, 53x90 feet, hardwood floors, hot water heat, electric light. Plans about completed. Ready for bids in a week.

School, Swoyerville, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Holy Trinity Church, Swoyerville, Pa. Brick, veneer, steel, 2 stories and basement, 61x142 feet, built-up roof, pine floors, safety treads, roof ventilators,

iron stairs, sash, vapor heat, electric light. Will be ready for bids in March.

School (add.), Ashley, Pa., \$200,000. Architect, T. H. Atherton, 139 South Main street, Wilkes-Barre, Pa. Owners, Ashley School District, L. H. O'Donnell, 50 North Main street, Ashley, Pa. Brick, 2 stories and basement, 6 rooms. Owners will be ready for bids in about two weeks.

Junior High School Building, Norristown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School District, Borough of Norristown, Pa., Mr. Harold Kratz. Brick, steel, reinforced concrete, 3 stories and basement, 272x149 feet, hollow tile (plumbing, heating, electric separate bids), maple and cement floors, composition roof, roof ventilators, dampproofing, architectural terra cotta, ornamental iron work, bond, hollow metal doors and sash, marble and terrazzo work, metal lath, acoustical treatment, dumb waiter, area gratings, steel lockers, alberne stone. Deposit, \$25. Refund, \$15. Owners taking bids due February 25th, 5 P. M.

Residence, Easton, Pa. Architect, W. M. Michler, 610 Drake Building, Easton, Pa. Owner, Charles H. Knight, Easton, Pa. Brick, steel, 2½ stories and basement, 81x40 feet, 47x24 feet (plumbing, heating, electric separate bids), tile roof, oak and pine floors, metal lath, tile and marble work, bond, ornamental iron work, cast stone. Architect taking bids due February 10th.

High School, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Kingston School Board, W. H. Evans, secretary, Kingston, Pa. Fireproof, 2 stories and basement, 276x180 feet, composition roof, composition and maple floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, ornamental iron, fire doors, steel sash and skylights, tile work, metal lath (heating, plumbing and electric separate). Owners taking bids.

Power Wiring, School Building, Church and Oak streets, Norristown, Pa. Architect, E. Lane Crawford, 509 Swedes street, Norristown, Pa. Owners, School District of Norristown, H. R. Kratz, Norristown, Pa. Deposit, \$15, refunded. Certified check, 5 per cent. Owners taking bids due February 25th, 5 P. M.

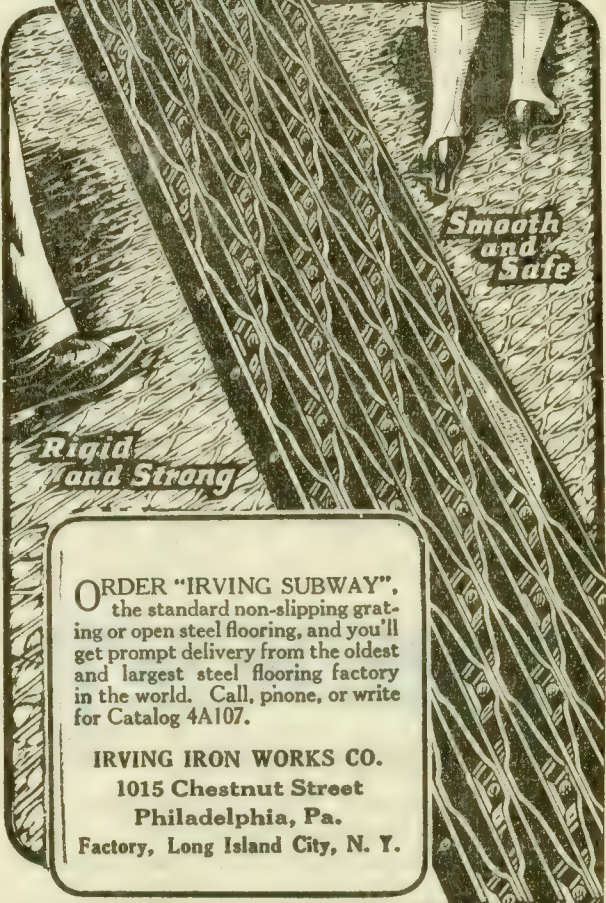
United States Post Office, Lewistown, Pa. Architect, James A. Wetmore, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Brick, concrete, steel, 2 stories and basement, 88x63 feet, tin and composition roof, cement floors, hollow tile, roof ventilators, metal weather strip, dampproofing, steam heat, elec-

tric light, metal lath, marble and terrazzo work, rolled steel skylights, hollow metal doors, floor hardener, iron stairs, ornamental iron work, area gratings. Owners taking bids due February 25th.

High School, Kerry street, Wilkes-Barre, Pa. Architect, R. Ireland, Wilkes-Barre, Pa. Owners, Wilkes-Barre School Board, F. Siegfried, Wilkes-Barre, Pa. Brick, steel, reinforced concrete, 3 stories and basement, 492x184 feet (plumbing, heating, electric separate), slag roof, maple and composition floors, hollow tile, safety treads, metal lath, tile work, rolled steel skylights, bond, ornamental iron work. Architect ready for bids.

School of Pharmacy (alts. and add.), Monroe and State streets, Media, Pa. Architect,

Always-When You Need Gratings —



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING FLOORING



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

27th and Diamond Streets, Philadelphia

Columbia
6526-6527

Park
4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

N. R. Dalton, Strafford, Pa., and 1524 Sansom street, Philadelphia. Owners, School of Pharmacy, Joseph Gershenfeld, on premises. Slag roof, demolition, stone, brick, concrete block, cement and concrete, mill work, composition floors, plastering, plumbing, electric work, steam heat, painting and glazing. Owners taking bids due as soon as possible.

School, Upper Milford, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Upper Milford School Board, Jesse Miller, secretary, Vera Cruz, Pa. Brick, structural steel, 1 story, 56x64 feet, asphalt roof, composition or linoleum floors, cast stone, steel sash (heating, plumbing and electric separate). Owners taking bids due February 11th.

Stores (3), Monroe and Burke streets, Media, Pa. Architect, N. R. Dalton, Strafford, Pa., and 1524 Sansom street, Philadelphia. Owner, Mr. Joseph Gershenfeld, State and Monroe streets, Media, Pa. Concrete cement block, brick, steel, stucco, 1 story and basement, 73x40 feet, slag roof, oak, pine and cement floors, painting and glazing, plumbing, waterproofing, hot air heat, electric light, metal lath, ornamental iron work, stone work, excavation. Owner taking bids due as soon as possible.

Parochial School, Schuylkill Haven, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Ambrose's Roman Catholic Church, Rev. A. B. Caine, Schuylkill Haven, Pa. Brick, steel, 2 stories, 60x80 feet, 12x20 feet, composition roof, pine floors, safety treads, roof ventilators, iron stairs, bond (heating, plumbing, electric reserved), metal lath. Architect taking bids.

Hall and Stores (6), Eagle road and West Chester pike, Manoa, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William G. Boyd, 21 South Eagle road, Manoa, Pa. Limestone, brick, steel, 1 story and basement, 259x100 feet. Architects taking bids due February 16th.

chitects taking bids due February 16th.

Residence No. 2, Wayne, Pa. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, Paul R. Stull, Morris Building, Philadelphia. Stone, 2½ stories, 50x65 feet, shingle roof, hardwood floors, vapor heat, electric light, tile and marble work. Architects taking sub-bids.

Contract No. 5, Chester, Pa. City engineers, Chester & Varker & Wheeler, 36 State street, Albany, N. Y. Owners, City of Chester. Item No. 1, 36-inch B. and S. pipe, Class B 904 tons. Item 2, 36-inch specials, Class B, 25 tons. Item 3, 36-inch F. and B. pipe, Class B, 12 feet. Deposit, \$10, refunded. Certified check, 5 per cent. Bond, 50 per cent. surety bond. Owners taking bids due February 15th, 2 P. M. Copy of advertisement must accompany proposal.

Residence (add.), Easton, Pa. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, Charles Chitner, care of architect. Brick, slate roof, hardwood floors, electric tlight, tile work. Architect ready for bids.

Gas Filling Station, State road and Clarendon road, Drexel Hill, Pa., \$3,000. Owner, Roy Schaeffer, 9 Montgomery avenue, Cynwyd, Pa. Permit issued, Atlantic Refining Co., 260 South Broad street, Philadelphia.

Residences (15), Hampden road, North of Marshall road, Upper Darby, Pa., \$45,000. Owner, D. Webster Anders, 6372 Columbia avenue, Philadelphia. Brick, 2 stories, 16x80 feet, hot water heat, electric light, slag roof, hardwood floors, tile work. Permit issued.

Two-Family Residences (30), Sansom street, between Long lane and Garrett road, Upper Darby, Pa., \$6,000 each. Owners, Robert Seroggins & Sons, Minerva Court Apartments, Upper Darby, Pa. Stone, brick, 2 stories, 16x52 feet and 16x45 feet, hot water heat, electric light, slag roof, hardwood floors, tile work. Permit issued.

Residences (4), Clinton road, West of Church lane, Stonehurst, Upper Darby, Pa., \$4,000 each. Architect, private plans. Owners, Gillingham & Haynes, 1601 South Sixtieth street, Philadelphia. Cinder block, frame, stucco, 2 stories, 16x70 feet, hot water heat, electric light, slag roof. Permit issued.

Residences (182), North and South side Berekley road, between Oak and Church lane, Upper Darby, Pa., \$4,000 each. Architect, private plans. Owner, Charles Biddle, 730 South Fifty-second street, Philadelphia. Brick, cinder block, stucco, 2 stories, hot water heat, electric light, slag roof. Permit issued.

Residences (23), Timberlake road, North of Ruskin lane, Stonehurst Hills, Upper Darby, Pa., \$3,000 each. Architect, private plans. Owner, Adam McClatchy, Stonehurst Hills, Upper Darby, Pa. Brick, 2 stories, 14x70 feet, slag roof, hot water heat, electric light, tile

work. Permit issued Samuel Smith, care of owner.

Residences (28), 305-359 Cleswald road, Drexel Hill, \$4,700 each. Architect, private plans. Owner, Harry Feldman, 4610 North Eleventh street, Philadelphia. Frame, stucco, cinder block, 2 stories, 16 feet 2 inches x 38 feet, wood shingle roof, hardwood floors, hot water heat, electric light, tile work. Permit issued N. G. Templeton, Thirty-seventh and Florence streets, Philadelphia.

Store and Apartments, Marshall and Lampost road, Stonehurst, Pa., \$9,000. Owner, Stewart W. Speers, on premises. Concrete block, plastered, 2 stories, 18x50 feet, 10x20 feet, slag and Spanish tile roof, hardwood floors, hot water heat, electric light, metal bulks. Permit issued.

Residences and Garages (2), Keystone avenue, West of Bond, Bywood, \$5,000 each. Owner, George Hill, 7121 Wayne avenue, Bywood, Pa. Stone, frame, stucco, 2 stories, 16x45 feet, 1 story 10x15 feet, slag and asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Attendants' Building and Nurses' Home, Bywood, Pa. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Health, Bureau of Hospitals, 584 City Hall. Low bidders: Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$75,000, \$260,000; Nelson Pedley Const. Co., Corn Exchange Building, \$66,400, \$272,100. Heating, Mechanical Combustion Equipment & Engr. Co., 2130 Locust street, Philadelphia, \$5,985, \$20,000. Plumbing, Bulman Brothers, Fifth and Cumberland streets, \$7,707, \$24,777. Electric, W. V. Pangborne, 1927 West Montgomery avenue, \$4,478, \$8,914.

Concrete Viaduct, Reading, Pa. Engineer, E. Clinton Weber, City Hall, Reading, Pa. Owners, City of Reading, Jacob H. McConnell, superintendent, Office of City Clerk, Reading, Pa. Reinforced arch, Mineral Spring Road Viaduct, 900 feet long, 70 feet wide. Lowest bidders Whitaker & Diehl, Union Trust Building, Harrisburg, Pa., \$318,387.05.

School, Horsham, Pa. Architects, Heacock & Hokanson, 1211 Chestnut St., Phila. Owner, Board of Education, Horsham, Pa. Low bidder, D. W. Sperry, Jefferson Bldg., Phila., \$43,047; H. H. Wehmeyer, 509 W. Cumberland St., Phila., \$43,765.

Express Building, Mt. Carmel, Pa. Architect, Otto G. Herold, 12th near Market St., Phila. Owner, Phila. & Reading R. R., 12th and Market Sts., Phila. Frame, 1 story 26x50 feet. Owner taking bids due Feb. 16th.

Men are walking by and around people that want to buy from them, and do not know it.

The DAILY BUILDING NEWS will tell you who wants to buy your products.

BUILDING NEWS PUBLISHING CO.
1530 Chestnut St. Philadelphia.

TRIDENT

WATER METERS

For New and Old Properties

PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

Pennsylvania Contracts Awarded

Bank, Bethlehem, Pa. Architect, H. J. Wiegner, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., Broad and Main streets, Bethlehem, Pa. Steel, concrete, fireproof, 5 stories, 40x45 feet, concrete roof, composition and linoleum floors, heating extension, electric light, metal lath, tile work. Contract awarded to F. B. Glassmire, Bethlehem Trust Building, Bethlehem, Pa.

School, Allentown, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Catherine of Sienna Roman Catholic Church, Allentown, Pa. Brick, steel, 2 stories and basement, 128x61 feet, slag roof, pine and cement floors (plumbing, heating, electric reserved), metal lath, tile work, bond, ornamental iron work. Contract awarded Butz & Clader, Allentown, Pa.

Printing Shop, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Roeder & Co., R. Frethaway & Son, Wilkes-Barre, Pa. Brick, hollow tile, 1 story, 100x140 feet, built-up roof, maple floors, hollow tile, roof ventilators, waterproofing, electric light, steel sash and skylights, fire doors. Contract awarded to John Curtis & Co., 1 Hickory street, Wilkes-Barre, Pa.

Alterations and Additions, Chester Valley, Valley Forge, Pa. Architect, Louis S. Adams, Radnor, Pa. Owner, Daniel Badger, Jr., on premises. Electric light, cement work, steel and iron work, carpentry and mill work, pine floors, dreadnought tile floors, metal lath, plastering, tile work, hardware, painting and glazing. Contract awarded H. M. Walderfer, Norristown, Pa.

Bank, Doylestown, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Doylestown National Bank, Doylestown, Pa. Contract awarded J. S. Bailey, Doylestown, Pa.

New Jersey Construction News

Residence, Wildwood, N. J. Architect, Christian H. Fries, Frankford and Oxford avenue, Philadelphia. Owner, name withheld.

Concrete block, stucco, 2½ stories, 30x42 feet, asbestos shingle roof, hardwood floors, hot water heat, electric range, refrigeration and laundry equipment. Sketches in progress.

Bank Building, Southwest Corner Broadway and Cooper streets, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, First National State Bank, F. Morse Archer, Camden, N. J. Brick, limestone, steel, terra cotta, stone, 188x80 feet. Plans in progress.

Hotel, Pacific avenue, Atlantic City, N. J., \$1,500,000. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Will contain 350 rooms and baths, 16 stories high. Preliminary sketches drawn.

Auto Show Room (alts. and add.), 14-16 North Pearl street, Bridgeton, N. J. Architect, Edward Ash, 1700 Walnut street, Philadelphia. Owners, Ranier Cadillac Co., on premises. Brick, limestone, 1 story, 42x100 feet. Plans in progress.

Restaurant (alts.), 227 Market street, Camden, N. J. Architect, private plans. Owners, Smedley's Restaurant, 227 Market street, Camden, N. J. Lowering floors, general remodeling. Work contemplated.

Apartment, Station avenue, Camden, N. J. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, name withheld. Brick, hollow tile, 6 stories. Plans in progress.

Church, West State street and Overbrook avenue, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, All Saints' Church, Rev. R. Urban, 15 South Overbrook avenue, Trenton, N. J. Stone, 1 story and gallery, electric light. Architects selected.

Church, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, St. Paul's Protestant Episcopal Church, Rev. Louis B. Howell, Trenton, N. J. Stone. Revised plans in progress.

Bridge, South of Snyder avenue, South Philadelphia, over Delaware River, to Red Bank, N. J., \$18,000,000, exclusive of approaches. Owners, Bridge Commissioners, F. W. Melvin, South Philadelphia Business Men's Association and Postmaster Albright, Woodbury, N. J. Appropriation of New Jersey for first survey, \$50,000. Work contemplated.

Apartment Building, 184 States avenue, Atlantic City, N. J., \$75,000. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City, N. J. Owners, C. Hass, Inc., Atlantic City, N. J. Brick, steel, 3½ stories, 40x130 feet, slag roof, hardwood floors, steam heat, electric light, tile and marble. Architect about ready for bids.

Golf Club, Ocean City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City. Owners, Ocean City Harbors Co., care of architect. Brick, stucco, 2 stories, 90x90 feet. Architect will be ready for bids at end of week.

Apartment Building and Garage, Margate City, N. J. Architect, D. A. Rosenstein, Humphry Building, Atlantic City, N. J. Owners, George P. Einwechter & Son, 21 North Wyoming avenue, Atlantic City. Brick, 2½ stories, 23x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Apartment House, Liberty and Main avenue, Atlantic City, N. J., \$50,000. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City, N. J. Owner, Louis Ostrow, 420 Maine avenue, Atlantic City, N. J. Brick, concrete, 3 stories, 60x60 feet, hardwood floors, electric light, tile work. Owner will build.

Fire House, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Borough of Hightstown, Hightstown, N. J. Stone, cinder block and steel, 2 stories, 60x110 feet, slate roof, concrete and linoleum floors, hollow tile, roof ventilators, waterproofing, dampproofing, ornamental iron, iron stairs, fire doors, steel sash and skylights, tile work, metal lath, vapor heat, electric light. Owner will take bids in a month.

Bank, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Victory Trust Co., care of M. Wessell, Third and Pine streets, Camden, N. J. Brick, cut stone, reinforced concrete, steel, 1 story, mezzanine and basement, 80x40 feet, slag roof, cement, oak floors, plumbing, metal window guards, shoring, waterproofing, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, fire doors, rolled steel sash, tile and marble work, metal lath, hot air heat, electric light, acoustical treatment, bronze work, dumb waiter, linoleum floors, area gratings, metal furniture, rubber floors, metal toilet stalls. Architects taking bids due February 14th.

Stores and Residence (add. and alts.), Indiana avenue, Atlantic City, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City,

A. HUSKEY

PORTABLE

MEYER COSSOY

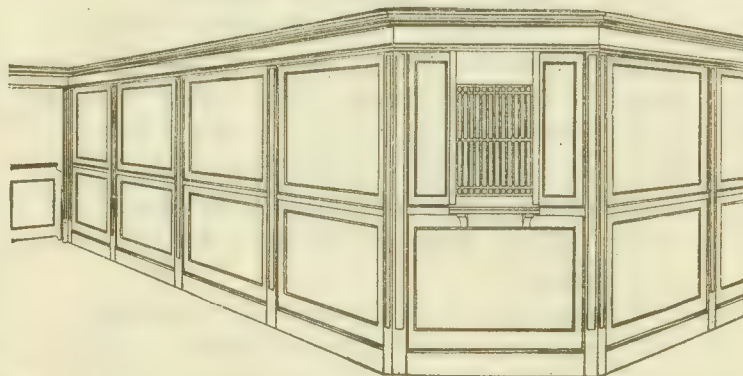
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE FIXTURES

FOR ALL KINDS
OF

STORES



CABINET WORK

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

N. J. Owners, Baul Brothers & Wickman, Atlantic City, N. J. Brick, steel, 1 story, 35x60 feet, slag roof, pine floors, metal ceilings, copper work, plate glass, hot water heat, electric work. Architect taking bids.

Office Building, Pleasantville, N. J. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Delaware & Atlantic Tel. & Tel. Co., Seventeenth and Parkway, Philadelphia. Brick, cut stone, reinforced concrete, steel, 2 stories and basement, 41x58 feet, slag roof, cement floors, plumbing, ornamental iron work, bond, metal lath, steam heat, electric light. Architect taking bids due February 11th.

Residence, Camden, N. J. Architect, Ralph Goldberg, 266 South Fifteenth street, Philadelphia. Owner, Neilson Carlton, care of architect. Stone, 2½ stories and basement, 37x90 feet, slate roof, oak and pine floors, hot water heat, oil burning, electric light, metal lath, tile work, ornamental iron work, flagstone. Architect taking bids due February 10th.

New Jersey Contracts Awarded

Garage, South South Carolina avenue, Atlantic City, N. J., \$60,000. Architect, Bertram Ireland, Guarantee Trust Building, Bethlehem, Pa. Owners, Best & Lippman, care of architect. Brick, steel, concrete, 3 stories, 50x165 feet, mastic roof, elevators, metal windows, waterproofing, iron stairs, bulks, steam heat, electric light. Contract awarded to Harry Hantman, 134 North Maine avenue, Atlantic City, N. J.

Lodge Building, Bridgeton, N. J. Architect, Thomas Edward Ash, 1700 Walnut street, Philadelphia. Owners, Fraternal Order of Eagles, Bridgeton, N. J. Contract awarded Graham-Chambley Co., 3649 Filbert street, Philadelphia.

Store and Apartment, 1903 Atlantic avenue, Atlantic City, N. J. Architect, J. R. Orden, 143 South South Carolina avenue, Atlantic City. Owner, W. Molamet, care of architect. Brick, 3 stories, 20x118 feet, slag roof, hardwood floors, oil burners, electric light, tile work, plate glass. Contract awarded to Alexander Nedelman, Guarantee Trust Building, Atlantic City, N. J.

Administration Building, Atlantic City, N. J., \$194,900. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board. H. H. Young, secretary, Atlantic City, N. J. Fireproof, 3 stories, 47x120 feet, slag roof, hardwood floors, terra cotta, elevators, stone, tile and marble, electric light. Contract awarded to S. H. Headley, Guarantee Trust Building, Atlantic City, N. J.

Electrical Work, 7th and Linden Streets, Camden, N. J. Architects, The Ballinger Co., 12th and Chestnut Streets, Phila. Owner, Camden Bridge Garage, on premises. Contract awarded Stange Electric Co., 214 S. 7th St., Phila.

Miscellaneous Construction News

Residence, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner, Mrs. Spackman, care of architect. Brick, 2½ stories. Plans in progress.

Parish House, Claymont, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Methodist Episcopal Home, Rev. Hugh B. Kelso, Claymont, Del. Stone, 2½ stories, 40x70 feet, slate roof, hardwood floors,

steam heat, electric light, tile work. Architect will be ready for bids next week.

Oil Station, Delaware and Lincoln avenues, Wilmington, Del., \$5,000. Owners, Texas Co., 17 Battery Place, New York. Brick, 1 story, 16x18 feet, asbestos shingle roof, cement work, electric light. Permit issued.

Miscellaneous Contracts Awarded

Factory, Wilmington, Del., \$552,000. Architects, Monks & Johnson, 99 Chauncy street, Boston, Mass. Owner, J. Frank Darling, 253 Thirty-sixth avenue, New York. Reinforced concrete, steel, brick, 5 stories and basement, 150x150 feet, 1 story and basement, 150x150 feet, slag roof, cement floors, steam heat, electric light, metal lath, steam heat, rolled steel skylights, ornamental iron work. Contract awarded to Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Residence, 1901 West Ninth street, Wilmington, Del., \$6,500. Architect, private plans. Owner, Gastano Di Lella, 816 Bayard street, Wilmington, Del. Brick, 2 stories, 17x42 feet, slag roof, hardwood floors, electric work. Contract awarded to J. A. Ventres Co., 1909 West Sixth street, Wilmington.

(Continued from page 84)

ture will, as we have seen, produce initial compression in the rods, which may be large. Now these slender rods, if standing alone and subjected to the loads that they are assumed to carry, would bend laterally. They would not carry those loads. They are only prevented from bending by the surrounding concrete. But they tend to bend all the time, and so tend to split off the surrounding concrete unless all the rods tend to bend toward the center of the column, which cannot be assumed. Here, then, we have a compound material in which one material tends, by its own action, to make the other fail, and does make the other fail, at the ultimate load.

Concrete has to some extent a flow or plasticity under stress. . . . This is in some respects a favorable quality, as it indicates that a concrete structure, if watched and measured, should give warning of impending failure. But it is surely most undesirable to have a continuing flow take place under comparatively small loads, or those used in the design.

Strength for strength, concrete weighs about seven times as much as steel. On this basis, then, does it not appear that in using concrete we are loading our structures, and especially their foundations, with great loads of sand and stone which only contribute weight and not strength.

Permanence—No material, probably, is permanent under all conditions. There are always destructive agencies that may destroy it. Steel and iron are, as we all recognize, subject to rust, which is merely surface oxidation, and which may be prevented if care is taken. There is no internal change, no dissolving out of any ingredient. Concrete is very different.

Practically all concrete is porous. The cement may be dissolved out. The concrete in reinforced-concrete beams is assumed to crack if subjected to the assumed loads. Freezing and thawing may disintegrate it. The effect of salt or alkali earth is very harmful. Indeed, concrete corrodes, as steel does, but in a more harmful way. Concrete will be permanent under favorable conditions. But conditions necessary for permanence seldom or never exist. A great deal of concrete work has been built. Some of it has lasted well, but a great deal has integrated and is going to pieces, and there have been many failures.

That many concrete structures, which were at the time of their construction considered as perfect as they could be made, are disintegrating is being reluctantly admitted. Any one who will examine many of these structures will find abundant proof, and there have been many failures and collapses.

Various reports and papers classify the causes of defective concrete and of failures. . . . When one scans this list and considers the character of the usual workman, he may be inclined to agree with Professor White, who says: "It (concrete) has latent possibilities of harm which no other major building material possesses. Its faults are, so far as we know, necessarily inherent in the material."

Frost may be a potent cause of disintegration. If there is no liquid water in the pores, it may be frozen without harm, but if there is liquid water, it will expand; but if a hair crack develops, water may enter and cause progressive disintegration. Even hair cracks must be prevented if disintegration is to be avoided when concrete is exposed in the open air in conditions where ice may form.

Corrosion of the steel has been a frequent source of trouble. It is said that concrete protects steel from corrosion. So it may, as long as it surrounds the steel. But when cracks develop, as contemplated by the accepted theory, water may gain access to the steel, which then cannot be protected. Especially if the water contains salts, the danger may be great. . . . Trade wastes, depending upon their character, may cause disintegration. Sewage may do the same, and many concrete sewers are showing poor results.

It is possible to get a good original job, but there still remain the stresses and cracks due to changes of moisture and the action of the loads, and the time effect, which defects are inherent in the material and preclude the possibility of predicting the life of a concrete structure.

Economy—One reason why concrete structures have in many cases been more economical than steel has been that the building laws have discriminated unfairly in favor of concrete and against steel. The enthusiasm for reinforced concrete

has spread even to building commissions and legislatures.

For instance, the St. Louis code provides for fireproof buildings . . . [that] all exterior steel columns must have 8 in. of concrete over their outer surfaces, while reinforced-concrete columns need have only 2 in. of concrete outside the steel! What an unfair discrimination! . . . If these unfair discriminations were removed, and if more care were exercised to get skilled labor, to select suitable materials, and to have expert supervision, there is no doubt that reinforced concrete would not work out to be more economical than steel, in many cases in which it does now work out to be more economical.

Conclusions—I would rather use burnt clay products than concrete for many purposes, as for roofing tiles and for drains or sewers, and in many cases for walls and as hollow blocks for floors.

For a structure which can be made of steel so as to be accessible for inspection and painting, I would much prefer steel to reinforced concrete. This includes railway and highway bridges, tanks and standpipes, stadia and grandstands, ships and barges, cars, etc.

How is it about structures like buildings, in which, if of steel, the metal is not everywhere accessible? Well, in such a case it is undeniable that steel is just as accessible as the reinforcing rods in reinforced concrete; in fact, more so. Therefore, I would prefer steel for buildings. I would much rather have a steel-frame building than a concrete building, especially if subject to earthquakes or hurricanes. . . . I would rather have a steel column than a reinforced-concrete column; a steel girder protected by concrete or gunite, or haunched in concrete, than a reinforced-concrete girder. I would rather have a column footing of steel beams than of reinforced concrete.

Notwithstanding, even if my judgment is correct, there still remains a multitude of other uses for concrete and reinforced concrete, as for foundations, mass work in general, walls and abutments, piers or their backing, dams, subways, roads, etc.

Why not use each material where it is most suitable and reliable?

* * *

Discussion of Prof. Swain's Paper

Active discussion followed the reading of the paper, continuing for more than two hours until ended by the chair. Only one speaker, B. W. Guppy (bridge engineer, Boston & Maine Ry.), supported Professor Swain's condemnation of concrete.

Mr. Guppy added to Professor Swain's objections the argument that the strength of a completed concrete structure cannot be appraised when the plans have been lost, as in the case of a concrete railway

trestle, which for this reason could not be rated for traffic-carrying capacity.

CHARLES R. GOW—After pointing out that enthusiastic advocates of concrete probably have overlooked the merits of rival materials, Charles R. Gow, consulting engineer, suggested that the truth probably lies between their views and those of steel advocates as represented in the paper. It is inconceivable that any structural material which has enjoyed such wide popularity as concrete should be afflicted with vital defects. Failures of concrete are not surprising, since any new art progresses by trial and error. The early years of use of structural steel will show similar failures, and with all its wealth of experience the steel art is not yet free from new experiences, as witness the failure of the Quebec bridge, mentioned by the author.

Professor Swain's paper raises the question of whether we shall abandon the use of this new and valuable material or shall continue to use it and seek to discover remedies for such faults as it may be found to have. Steel, as the author said, is excellent *if properly designed*, and similarly the troubles with concrete may be ascribed to imperfect design. But concrete is perhaps a more complex material, calling for greater care and study in working out its problems.

It remains true that concrete has filled a very valuable place in the construction activity of the world during the last quarter century. Among its advantages is ready availability, and in some uses, for instance flat-slab construction, steel could hardly take its place. It is adapted to irregular-shaped structures. It has proved very economical. It has the pre-eminent value of fire resistance, not mentioned by the author. Permanence is perhaps a relative term, but many concrete structures have stood for years with no evidence of deterioration; and if others have failed, each gave its lesson to designers as to errors to be avoided in subsequent work. As to porosity, it is believed possible today, with proper care, to produce absolutely waterproof concrete. As to strength, it is in excess of expectations; concrete is usually overdesigned.

L. J. JOHNSON—Describing himself as a warm admirer of steel and a hopeful admirer of concrete, Prof. L. J. Johnson (Harvard University), said that the development of reinforced concrete, which was essentially empirical, would not have come about if left to university-bred men. We may fairly give consideration to all the dangers and obscure points about concrete behavior and yet continue to use the material for very many uses. Fine cracks are of no meaning as to strength, and whether water will work into such cracks has to be answered by experience, which indicates that it generally does not, for the swelling due to steel corrosion would promptly reveal it. The troubles with

concrete virtually all simmer down to lack of density. Too much attention has been given to 28-day strength, and the question of amount of water is best met by the rule, "Workability at all hazards, and then as little water as practicable."

W. C. VOSS—Calling Professor Swain's paper a profound indictment not of concrete, but of the engineering schools of this country, Walter C. Voss (Portland Cement Association), said that the Portland Cement Association is the only national organization that has spent millions to bring to the attention of engineers not only the advantages but also the troubles of the material which it represents. Steel, he said, is subject to criticism, defects and troubles quite as much as concrete, through faults in shopwork and shortcomings of inspection, but these are not a criticism of steel. He cited the service of concrete roads, of a 45-year-old concrete sewer pipe dug up in Worcester, and similar facts as tangible evidences of the ruggedness and durability of concrete—a material which, he said, is not going to stand still or stop, but will continue to progress.

L. C. WASON—Early concrete buildings one of 1860, in Peabody, Mass., and structures in which primitive design or accident or construction defects threatened serious trouble, were cited by Leonard C. Wason (Aberthaw Co.) as demonstrating both the durability and the resistance to abuse of concrete construction. The material has greater strength than it is given credit for—can Professor Swain cite any concrete building that failed and after acceptance and six months' practical use? Long-time immersion tests as well as practical experience, give proof of the complete protection of reinforcing steel from corrosion. On the score of economy, the Attleboro standpipe—the first and largest reinforced-concrete tank, replacing an old steel structure that rusted out despite yearly inside painting—was found to be several thousand dollars cheaper than a new steel structure.

E. S. LARNED—On this same score of economy, E. S. Larned asserted that without reinforced concrete the country could not have the intense building activity of the present and recent years. Quick availability is often as important as economy, moreover; there are cases where a job waited six months for the steel to be delivered, while an adjacent job of concrete was started and finished in the meantime.

E. F. ROCKWOOD—The greater weight of concrete as compared with steel may often be an advantage, E. F. Rockwood said. Textile manufacturers have frequently stated that their concrete buildings save wear and tear on machinery and give improved operation because it is heavier and more rigid.

W. S. THOMPSON—Out of 7,500 reinforced-concrete structures that have gone through the engineering department of one reinforcing bar company in some 20 years, W. S. Thompson (Kalman Steel Co.), stated, anything approaching failure occurred in only three, and in all these cases the trouble was not with concrete as a material, but with the mishandling of concrete by designer or builder.

R. D. SNODGRASS—Early issues of *Engineering News*, R. D. Snodgrass (Truscon Steel Co.), found in a recent review, are full of reports of failures of steel structures or discussions of such failures. If a corresponding thing has occurred during the last 25 years with reinforced concrete, it merely means that any new material or type of construction goes through its period of evolution.

A. C. TOZZER—The fire-resisting quality of concrete calls for special emphasis, said A. C. Tozzer (Turner Construction Co.). In the burning of the Edison plant, 13 or 14 years ago, timber buildings were destroyed, steel members survived, but were distorted out of shape, while concrete buildings were only spalled (except for mechanical injury by the collapse of a water tank) and were repaired and back in use in six weeks. Since it is imperative to fireproof a steel frame, why not use the fireproofing concrete with steel rods replacing the structural sections and save cost and time?

W. A. BRYANT—In fire and load tests of columns at the Underwriters' Laboratories some years ago, W. A. Bryant said, no single concrete column failed under its designed load in 8 hr., while steel columns required at least 4 in. of concrete protection to enable them to remain in service.

GEORGE F. SWAIN (closure)—None of the facts or arguments advanced in the paper are disturbed in the least by the discussion. If concrete buildings have stood up, it does not prove that the same buildings in steel would not have stood. The age of structural steel began only about 1890, while that of concrete goes back to 1824 (Aspdin, portland cement) or at any rate to the 50's (Monier's flower pots and boat). Even Ransome's California work antedated structural steel.

The extended use of concrete does not prove the desirability of the material; compare the popular sentiment for canals a hundred years ago, or the Canadian enthusiasm for railway construction 20 years ago, as well as the present enthusiasm in certain regions for the Chicago-to-Gulf waterway.

The paper was devoted not to characteristics of structures, but only to characteristics of the material. Professor Swain said, and he intimated that he might write another paper discussing steel and concrete in the finished struc-

tures, contrasting the shimming of columns and mismatching of rivet holes with the faults in concrete building work; and perhaps still another paper, on accepted theories of reinforced concrete and what he thinks of them.

He expressed doubt as to the practicability of producing impervious and non-permeable concrete. He emphasized the importance of time effects in concrete, and asked whether the Portland Cement Association has published anything on this subject.

In conclusion Professor Swain expressed the belief that his paper will make people think and put a little brake on the enthusiasm with which concrete is regarded.—*Engineering News-Record*.

GREAT GRANDPA DEPENDED ON CHIMNEY FOR VENTILATION

Used Smoke Outlet for Changing Air in Home—Control Secret of Electrical Weather Making

Great, great grandpa didn't know much about the various elements that make weather or climate and he may have been somewhat superstitious about the part that systematic ventilation played in public health but he did use his chimney as a natural draft for ventilating his home. W. A. Rowe, ventilation expert, declared in an address here.

Although most people use chimneys to carry out smoke and while it was considered important during the annual visits of old St. Nick, the first chimney wasn't invented until 500 years ago, Mr. Rowe said. What people did before that for ventilation in cold weather, besides opening doors and windows, Mr. Rowe didn't mention.

It has been the rapid development of the electric, steam and water power industries that has been an important factor in advancing the science of mechanical ventilation which gives positive and perfect control of air conditions, he added. The engineers now hook up electrical machinery to manufacture any kind of weather condition desired in any building, regardless of what the weather is outside, he said.

Declaring that ventilation has been placed more than ever on a qualitative basis and that this is increasing the productivity of labor in various industries, Mr. Rowe continued:

"Control is the secret of electrical ventilation. The first step is control of temperature; the second, control of air changes; third, control of relative humidity; fourth, control of cleanliness; and finally, control of air movement. To attempt proper control by the individual would be impractical, unsatisfactory and expensive.

"In the beginning, ventilation was largely a question of temperature and air change. It was soon evident that the control of the temperature as indicated

on a dry bulb thermometer was not entirely the correct index of one's comfort or sensation of warmth. Another factor became apparent, namely, the moisture content of the air. As the wet bulb thermometer has for years been the means of determining the relative humidity, or moisture content of the air, it was for a while believed that the human body was responsive to temperatures as registered on the wet bulb thermometer.

"Recent research work has shown that neither of these are correct and that the sensible temperature is based on not only dry bulb temperature and moisture content, or relative humidity, but also on air movement and the sensible temperature comes somewhere between the temperatures as registered on the dry and wet bulb thermometers.

"There are other factors, such as cleanliness and absence of odors, that should be considered. It is quite generally recognized that bacteria and germs would be absent from the air if there were not dust particles to which they could become attached. Dust has other well understood physiological effects on the mucous membrane which makes cleanliness of prime importance. On the economic side is the savings which can be effected by dust elimination. For example, department stores can reduce materially the loss due to soiled goods. It is almost imperative in libraries, if rapid deterioration of manuscript is to be avoided. It is of tremendous importance in many industrial processes.

"What is the ideal climatic condition for any building or home? For people normally clothed and slightly active, in still air, the most favorable temperature conditions are 68 degrees Fahrenheit on the dry bulb and 58 degrees, wet bulb temperature. This corresponds to a relative humidity of approximately 55 per cent. Where there is slight air movement, the sensible temperature is somewhat lower than this, depending upon the air velocity."

The Fortieth Annual Banquet of the Philadelphia Builders' Exchange and Employers' Association will be held Thursday evening, February 17th, at seven o'clock in the Manufacturers' Club. Speakers will be the Rev. Samuel Steinmetz, Trenton, N. J., the Hon. J. Hampton Moore, Ex-Mayor of Philadelphia, and Rabbi Wm. H. Fineshriber, Philadelphia.

The Entertainment Committee is composed of O. W. Ketcham, Chairman, Thomas F. Armstrong, S. French Reeves, Charles P. Biggin, W. F. Sullivan.

In the 1927 Directory of the Architectural and Building Trades under classification of Architects, Page 5, Wassermann, Samuel, should be changed to Wasserman, Simon.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co..Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner.Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE

Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co...Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick..Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick..Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co....Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co....1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr.....829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co..829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co....512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co...Erie Ave. and "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co..829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co...2313 Walnut St., Phila.
Selby Battersby & Co.....810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.....1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.....3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co...Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
N. E. Cor 15th and Locust Sts., Phila.
Smith-Austermuhl Co.Camden, N. J.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co...Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co....11th and Noble Sts., Phila.
Lederle, Robt. B., & Co...Witherspoon Bldg., Phila.
Livezey, Thos. H..American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co..2500 Duncan St., Phila.
Murlin Mfg. Co.5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. ..Norris and Richmond Sts., Phila.
Ketcham, Howard.....3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.....435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent..411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. ..Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph.....South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co..2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co. ..2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co..Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES

Edwin Elliott Co.560 N. 16th St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Smith-Austermuhl Co.Camden, N. J.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co....24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co.....1126 So. 11th St., Phila.

Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING

Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Potts, Horace T., & Co..Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co.....Bourse Bldg., Phila.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

No Property Is Immune

to windstorm damage. No section of the country can claim, "The wind can never cause destruction here."

Insurance against destruction or damage occasioned by violent winds will add very little to your insurance budget, but add a great deal to the safety of your property investment.

Your agent can give you windstorm insurance in a reliable company.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



"ANTI-HYDRO" Keeps the Concrete Pits Dry in this "Spearmint" Factory

The concrete pits in this new Wrigley plant are permanently waterproofed with "ANTI-HYDRO," and as a result, they are always dry.

A one-inch cement plaster coat mixed with "ANTI-HYDRO" when applied on the inside of pits, walls and foundations keeps them absolutely dry against any head of water.

"ANTI-HYDRO" is extremely easy and economical to use. It is a liquid integral compound that mixes readily with the gauging water without the aid of skilled labor. It accelerates the set of cement and so enriches the concrete that the finishers' time is reduced to a minimum.

For 22 years "ANTI-HYDRO" has proved its economy and satisfaction on every type of concrete hardening and waterproofing work. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials "Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 7
February 16, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

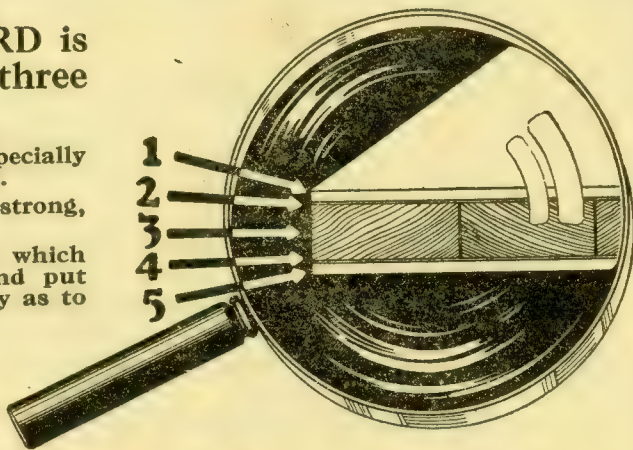
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

The Fact—

That after you place the contract,
you know it will be done right, and
on time, should be considered in
the price you pay.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET STEEL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL
SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

MURLIN

MANUFACTURERS OF

Cast
**Exterior Ornamental
LIGHTING**

The proper lighting of
Developments will rapidly
increase the sale and value
of Real Estate.

It has become an essential
to Builders and Real Estate
Developers.

Our Engineering Depart-
ment is in a position to take
care of your requirements.

MURLIN MFG. CO.

5420 PASCHALL AVENUE
PHILADELPHIA, PA.



INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH FIRESAFE PLASTER LATH

SHEETROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

BRICK

ELKINS PARK BANK

just nearing completion, is another
piece of Colonial architecture made
possible by the use of

EXCELSIOR ANTIQUES

The building was designed and executed
by the well known

HESSWIN COMPANY

A true colonial appearance and atmos-
phere can always be secured thru the
use of genuine kiln-burned

EXCELSIOR ANTIQUE BRICK

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON STEEL SASH

For All Types of Buildings

Factories

Warehouses

Foundries

Garages

Banks

Office Buildings

Residences

Schools

Large Selection of Warehouse Sizes

DAVID LUPTON'S SONS CO.

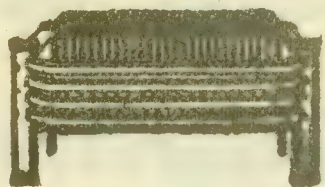
Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

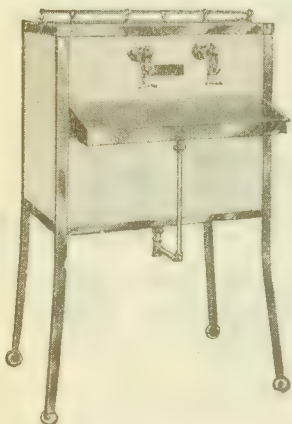


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model

Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 7

PHILADELPHIA
February 16, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



STATEMENT BY COMMITTEE APPOINTED TO SURVEY THE GENERAL CONDITION OF THE FIRST MORTGAGE REAL ESTATE BOND BUSINESS

At a meeting called last November in New York City by the American Construction Council, and attended by a large number of bankers, contractors, architects, accountants and representatives of investment banking and first mortgage real estate bond houses, the American Construction Council was asked by resolution to appoint a Committee of seven representatives of the first mortgage real estate bond houses, of which Committee Mr. Franklin D. Roosevelt, President of the Council, was to be chairman "to survey the general condition of the real estate bond business and to co-operate in such survey with the Committee of the Securities Commissioners of the several states, with power to add to its membership and to appoint sub-committees and to report at a subsequent meeting of this body at the call of the Chair."

Pursuant to the foregoing resolution Mr. Roosevelt appointed the following Committee:

Edgar N. Greenebaum, Greenebaum Sons Investment Co., Chicago, Ill.
William J. Moore, American Bond & Mortgage Co., New York City.
Alfred J. Murphy, Federal Bond & Mortgage Co., Detroit, Mich.
G. Bryan Pitts, The F. H. Smith Co., Washington, D. C.
Edward Sonnenschein, Chicago Mortgage Bankers' Assn., Chicago, Ill.
S. W. Strauss, S. W. Strauss & Co., New York City.
J. M. Ulmer, Mortgage Banker' Assn. of Ohio, Cleveland, Ohio.

This Committee has since then been in almost continuous session, and a full and frank discussion of the methods of this very large and important part of the financial and building structure of the country has been had. The Committee has examined, so far as possible, into every phase of the transactions of purchase, construction, interest and amortization. The Committee has also had the advantage of frequent consultation with Mr. A. J. Maxwell, President of the National Association of Securities Commissioners, popularly known as the "Blue Sky Commissioners," and with the Com-

mittee on Real Estate Mortgage Bonds of that Association, consisting of Messrs. David H. Jennings, Indianapolis, Ind., Hezekiah N. Duff, Lansing, Mich., Keyes Winter, Deputy Attorney General of New York State, and R. E. McNellis, Nashville, Tenn., and with the counsel for that Committee, Maurice L. Mendenhall, Indianapolis, Ind.

The Committee is not yet ready to make a final report, but does believe that the public should now be informed that on January 21st, at a meeting in Chicago, representatives of six large bond houses entered into an agreement adopting certain principles or canons of procedure. This agreement was signed by Greenebaum Sons Investment Co., of Chicago, American Bond & Mortgage Co., of Chicago, The F. H. Smith Co., of Washington, D. C., Federal Bond & Mortgage Co., of Detroit, and S. Ulmer & Sons, Inc., of Cleveland. It was stated in writing by S. W. Straus & Co. that it would comply with the requirements of the agreement, declaring further its adherence to its own practice, providing that it be simply in addition to and not in diminution of said requirements. All of

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RIVE 3819

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6359

831 South 49th Street, Philadelphia

the Committee of the National Association of Securities Commissioners, referred to above, except Mr. Keyes Winter, Deputy Attorney General of New York State, gave their approval in writing to the draft of principles or canons of conduct; Mr. Keyes Winter stated that those portions of the agreement over which he had jurisdiction were satisfactory to him in so far as they conform to the principles of absolute separation of trust accounts from the risks of the business and of notice to bondholders of defaults.

The agreement is as follows:

We, the undersigned, first mortgage real estate bond houses, recognize as essential for the proper conduct of the business in which we are engaged, certain principles which will insure the financial stability and correct economic conduct of houses of original issue selling such issues principally at retail directly to the investor, and do hereby adopt and subscribe to the following business principles as accomplishing that end:

Duties of Houses of Issue

All first mortgage real estate bonds that shall be sold by the house shall be safe and conservative investments.

It shall be the duty of each house:

(a) To provide and maintain funds necessary for, and to make, all payments in connection with the construction project in accordance with the terms of the underwriting agreement.

(b) To check and supervise construction in order to procure substantial compliance with the plans and specifications.

(c) To guarantee to the bondholders completion of the building free and clear of prior liens, such guarantee to be fulfilled at the option of the house of issue, either by completion of the building or by the repurchase of the bonds at the original purchase price and accrued interest.

It shall be the continuing duty of each house:

(d) To check and enforce the proper physical maintenance of the security after completion.

(e) To check and enforce maintenance of insurance.

(f) To check and enforce payment of all taxes and assessments when due.

(g) To check and enforce compliance by the borrower with requirements of all laws and ordinances and other governmental regulations.

(h) To provide for the collection of principal interest and income tax payments from the borrower, and to provide adequate facilities for payment of same

to the holders of securities as and when the same are due.

Trustee

For the purpose of carrying out the foregoing and other duties, the house of issue shall either act as trustee or provide a trustee to take title under the indenture. Where the trustee is not a bank or trust company under public supervision, the trustee shall be an officer or director of the house of issue and where the trustee is not an independent bank or trust company under public supervision the house of issue shall be fully responsible for all acts of omission or commission by the trustee to the same extent as if the house of issue were itself the trustee. The assumption of such responsibility by the house of issue shall be authorized by proper resolution adopted by the house of issue set forth in its minutes, and by such other formal instruments of assumption as may be requisite. The appointment of an officer or director of the house of issue shall not preclude the appointment of an additional trustee, but the appointment of such additional trustee shall not in any event relieve the house of issue of its responsibility. In any event where the house of issue or any of its officers or principal stockholders has any interest in the equity, the trustee and/or the additional trustee shall be an independent trustee.

Advances of Money by House of Issue

The Trust Deed shall provide that when the house of issue advances funds for principal and/or interest, it shall be the duty of the house of issue, to pursue one of the following causes within ninety days after the maturity of such principal and/or interest payments:

(a) To subordinate such bonds and/or coupons to all unmatured bonds or coupons of the same issue; such subordination to be by physical endorsement on the bonds and by appropriate action with respect to the coupons.

(b) To notify the trustee and all holders of bonds of the same issue that funds were advanced by the house of issue and that it intends to hold all such bonds and/or coupons, on a parity with the balance of the issue.

If the notice provided for in paragraph (b) shall not have been given, the subordination shall be automatic. Advances made by the house of issue for any payments due by the borrower shall hereafter be made only from the capital and surplus account of the house of issue.

Irrespective of subordination where

(Continued on page 110)

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Factory Building, Thirteenth and Washington avenue, Philadelphia. Owners, National Licorice Co., 106 Johns street, Brooklyn, N. Y. Brick, concrete, steel, 4 stories, 150x186 feet, slag roof, concrete floors, steam heat, electric light. Work contemplated.

Apartment House, Northwest Corner Twentieth and Walnut streets, Philadelphia. Architect and owner, D. B. Bassett, 1520 Locust street, Philadelphia. Brick, stone, steel, concrete, 30x117 feet. Plans in progress.

Gas Station, Frankford avenue and Richmond street, \$3,500. Architect, private plans. Owners, Shemtor Co., 605 Lincoln Building, Philadelphia. Work contemplated.

High School, Tenth, Lycoming and Luzerne streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Archdiocese of Philadelphia, D. Cardinal Dougoerty, Eighteenth and Race streets, Philadelphia. New plans in progress. (Note new location.)

Church (add.), Tacony, Pa. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owners, Disston Memorial Church, on premises. Stone add., 35x40 feet, slate roof, pine floors, steam heat, electric light. Plans in progress.

Residences (2), Frankford. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Stone, 2 stories, 28x42 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence and Garage, West of Mt. Pleasant avenue, Chestnut Hill, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Stone, limestone, 2½ stories, 38x42 feet, 20x20 feet, slate roof, hardwood floors, hot water heat, tile work. Plans in progress.

Assembly Hall and Apartment (alts. and add.), Frankford, Philadelphia. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Brick, 2 stories, 40x95 feet, add. 2 stories, 20x40 feet, slag roof, maple floors, heating undecided, electric light, excavation. Plans in progress.

School, Bigler and Mervine streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Size of lot 280x400 feet. Work contemplated.

Bank Building, Kensington avenue and Torresdale avenue, Philadelphia. Architects,

Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Fairhill Trust Co., Fifth and Allegheny avenue, Philadelphia. Limestone, steel, brick, 1 story and basement, 50x70 feet. Ready for bids in a few days.

Residences (31), Aleott and Colgate streets, Philadelphia. Architect, private plans. Owner, F. Schilling, 175 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x39 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will be ready for sub-bids in one month.

Residences (50), Sixteenth street, between Sixty-fifth avenue and Chelton avenue, Philadelphia. Architect, private plans. Owner, Joseph Cutler, Sixth and Widener Place, Philadelphia. Brick, 2 stories, 16x42 feet, slag and tile roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, copper flashings, garage in basement. Owner ready for bids.

Residences (75), Fifth and Godfrey avenue, Philadelphia. Architect, private plans. Owners, William Fischer's Sons, Broad and York road, Philadelphia. Brick, 2 stories and basement, 16x40 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Work contemplated. Ready for bids in about one month.

Residences (3) (2) Chestnut Hill and (1) St. Martin's, Philadelphia. Architect, Samuel K. Marshall, Weightman Building, Philadelphia. Owners, Moore & Goldborough, Widener Building, Philadelphia. Stone, 2½ stories, 40x80 feet, shingle or slate roof, hardwood floors, hot water heat, electric light, tile and marble work. Owners taking sub-bids.

Building, 1708-10 Callowhill street, Philadelphia. Architect, Ralph Benckert, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Owners, Philadelphia Boiler Works, 1737 Filbert street, Philadelphia. Brick, steel, 3 stories. Architect taking bids due February 18th at noon.

Residences (24), Loring street and Torresdale avenue, Philadelphia. Architect, private plans. Owner, Carl E. Swoboda, 5346 Locust street, Philadelphia. Brick, 2 stories and basement, 16x36 feet, slag roof, oak and pine floors, hot water heat, electric light, ornamental iron work. Plans in progress. Ready for bids in a month.

Residences (40), Maywood street, North of Luzerne street, Philadelphia. Architect, private plans. Owners, Kerr, Witty & Gale, Luzerne and N streets, Philadelphia. Brick, steel, 2 stories and basement, 16x40 feet, slag roof, oak and pine floors, hot water heat, electric light. Work contemplated. Will mature in the spring.

Residences (10), Robbins avenue and Glenlock street, Philadelphia. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owners, Tacony Housing Co., 3721 Disston street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owners taking sub-bids.

Residences (40) Van Kirk street, Philadelphia. Architect, private plans. Owner, Francis B. J. Branagan, 2411 North Broad street, Philadelphia. Brick, 2 stories and basement, 16x36 feet, slag roof, oak and yellow pine floors, hot water heat, electric light, ornamental iron. Owner taking bids.

Residences (64), Fifty-eighth and Elmwood avenue, Philadelphia. Architect, private plans. Owners, George B. Armstrong, Inc., 4721 North Fifth street, Philadelphia. Brick, steel, 2 stories and basement, 16x36 feet, slag roof, oak and yellow pine floors, hot water heat, electric light, tile work, ornamental iron. Owners taking bids.

Residences (70), Aleott and Van Kirk streets, Philadelphia. Architect, private plans. Owner, John M. Snyder, Fourth and Nedro avenue, Philadelphia. Brick, steel, 2 stories and basement, 16x36 feet, slag roof, cement floors, hot water heat, electric light, ornamental iron. Plans in progress. Ready for bids in a few weeks.

Residences (number indefinite), Saul and Sanger streets, Philadelphia. Architect, private plans. Owner, Wilfred Robinson, 5402 Saul street, Philadelphia. Brick, steel, 2 stories and basement, 16x40 feet, slag roof, oak and yellow pine floors, hot water heat, electric light, ornamental iron. Owner taking bids.

Reconstructing of Wharf, Forty-ninth and Schuylkill River. Owners, Department of Street Cleaning, 216 City Hall, Philadelphia. Owners taking bids due February 21st at noon. Certified check, 5 per cent.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

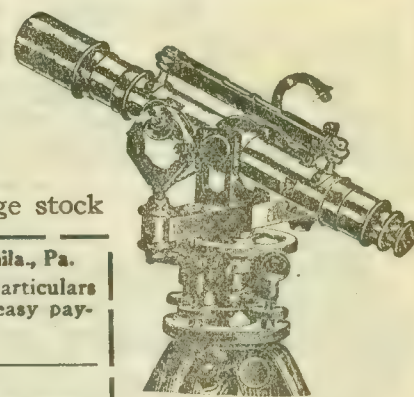
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars about the Weilco Level and your easy payment plan.
Name _____
Address _____



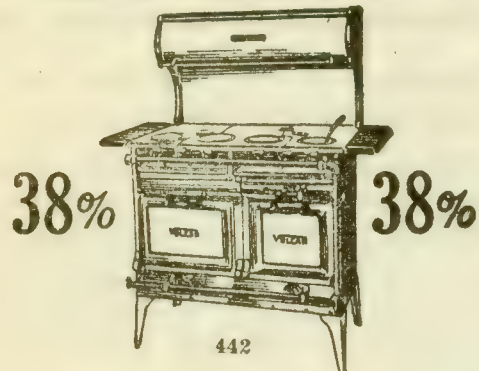
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

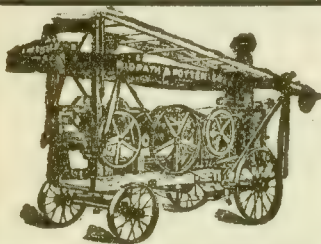
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

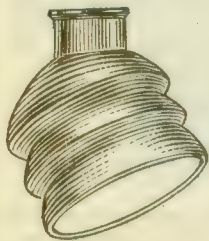
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
12317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Apartment House, Thirteenth and Camac streets, Philadelphia. Owner, Max Cohen, care of C. M. Jeannesson, 4628 Frankford avenue, Philadelphia. Brick, steel, five stories, 324x169x165 feet. Work contemplated.

Bridge, over Wissahickon Creek, at Henry avenue, Roxborough, \$1,750,000. Architect, private plans. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Reinforced concrete and steel. Plans in progress.

Stores and Apartments (2), 6116 Germantown avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. R. Smith, 101 West Cheltenham avenue, Philadelphia. Brick, cast stone, 2 stories, 16x68 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work, metal bulks, plate glass, gas logs. Owner taking sub-bids.

South Philadelphia Produce Terminal, Oregon avenue and Delaware avenue, Philadelphia. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Brick, reinforced concrete, steel (heating reserved), electric light, gypsum and Barrett Specification roof, cement, wood block floors, hollow tile, safety treads, plumbing, dampproofing, architectural terra cotta, metal lath, tile work, rolled steel sash, kalamein doors, iron stairs, ornamental iron work, granite sills, caulking, rolled steel shutters, metal partitions, pipe covering, 5 platforms and shelters, 5 feet wide, 800 feet long. Building A, 1 story, 110x400 feet, 2 stories, 110x200 feet. Building B, 1 story, 110x60 feet. Owners taking bids due February 23rd.

Residences (34), Wildbrock street, East of Torresdale avenue, \$129,200. Architect, private plans. Owner, Samuel Moyerman, 604 Lincoln Building, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (14), West side Horrocks street, North of Brill street, \$55,000. Architect, private plans. Owner, A. Rosen, 521 Porter street, Philadelphia. Brick, 2 stories, 16x19 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), East side Rising Sun avenue, North of Levick street, \$15,000. Architect, private plans. Owner, Hyman Korman, Oxford avenue and Levick street, Philadelphia. Brick, 2 stories, 19x33 feet, 16x27 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence and Store (add.), 5800 Knox street, Philadelphia, \$3,000. Architect, private plans. Owner, Ferdinand Suppino, 5827 Baynton street, Philadelphia. Brick, 2 stories add.,

16 feet 9 inches x 14 feet 3 inches. Permit issued.

Garage, East side Fiftieth street, South of City Line, Philadelphia, \$15,000. Architect, private plans. Owner, Thomas F. Reilly, Fiftieth and City Line, Philadelphia. Brick, 2 stories, 165x58 feet, slag roof, cement floors, electric lights. Permit issued.

Residences (4), 949-51-53-55 Arrott street, Philadelphia, \$4,000 each. Owner, Wilfred Robinson, Arrott and Oakland streets, Philadelphia. Brick, 2 stories, 19 feet 4 inches x 37 feet 3 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (23), West side Glendale street, North of Luzerne street, Philadelphia, \$92,000. Architect, private plans. Owner, Townsend B. Young, 331 Wellesley road, Philadelphia. Brick, 2 stories, 14x24 feet, 10x18 feet, slag roof, pine floors, electric light. Permit issued.

Garage, 1829 North Sixth street, Philadelphia, \$40,000. Architect, private plans. Owner, A. Leibowitz, 1112 Franklin Trust Building, Philadelphia. Brick, 2 stories, 50x100 feet, slag and gypsum roof, concrete floors, steam heat, electric light. Permit issued.

Residences (5), North side Stanwood street, West of Frontenac street, Philadelphia. Architect, private plans. Owner, Peter Heidt, Stanwood and Frontenac streets, Philadelphia. Brick, 2 stories, 16x34 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Service Station, Northeast Corner Woodland avenue and Church lane, Philadelphia. Architect, private plans. Owners, Sun Oil Co., 1428 South Penn Square, Philadelphia. Steel, frame, 1 story, 8x16 feet, concrete floors, electric light. Permit issued.

Residences (26), West side Large street, North of Sanger street, \$114,000. Architect, private plans. Owner, John W. Mortimer, 3024 E street, Philadelphia. Brick, 2 stories, 15x30 feet, 12x13 feet, slag roof, pine floors, electric light. Permit issued.

Residences (2), 6906-08 Oakley street, Philadelphia, \$11,000 total. Architect, private plans. Owner, Tony Lospulluto, 6904 Oakley street, Philadelphia. Brick, 2 stories, 16x49 feet, slag roof, hardwood floors, hot water heat, electric light. Permit issued.

Warehouse, 1604-06-08 Bainbridge street, Philadelphia, \$5,000. Architect, private plans. Owner, Harry Goldberg, on premises. Brick, 2 stories, 40x60 feet. Permit issued.

Residences (33), North side Malvern street, East of Sixty-seventh street, Philadelphia, \$149,000. Architect, private plans. Owner, Roland C. Lewis, 216 Ledger Building, Philadelphia. Brick, 2 stories, 16x28 feet, 11x11

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Supplies, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall, Philadelphia. Contract 852—Boiler setting and piping work, Queen Lane Pumping Station. Contract 863—Furnishing and installing generators and electrical equipment, Lardner's Point Pumping Station. Contract 865—Furnishing and installing rip-rap in Torresdale sedimentation basin. Contract 864—Furnishing and laying 48-inch and 24-inch pipe in West Philadelphia. Contract 866—Transformers and disconnection switches, Queen Lane Pumping Station. Contract 867—Turbo-centrifugal boiler feed pump, Belmont Pumping Station. Contract 868—Furnishing and delivering pig lead. Contract 870—Reinforced work on chimneys, Lardner's Point. Contract 871—Piping material and piping, Chestnut Hill Pumping Station. Certified check, 5 per cent. Owners taking bids due February 17th at noon.

Supplies, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due March 1st at noon. Shellac, screws, hardware, gasoline, steel lockers, clothes poles, rope chain mats, flags, physical training equipment, etc. Certified check, 5 per cent.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Bureau of Highways, Department of Public Works, City Hall. Augusta, Benner, Comly, Summerdale, Shisler and Frontenac streets, T. L. Flanagan, 531 East Mermaid lane, Philadelphia, \$12,425.79. Aleott, Colgate, Bingham, Vankirk, Cheltenham, Colgate, Dewees Brothers, Shelburne and Vincent streets, Philadelphia, \$9,783.66. Brighton, Disston, Loretta, Knorr, Castor, Princeton,

Ballinger & Dougherty, care of owners, \$5,597.28. Champlost, Cora, Fern, Godfrey, Front streets and others, Joseph Herzog, 3414 York road, Philadelphia, \$47,434. Cedarbrook, Pickering, Provident, Seventy-sixth to Seventy-ninth streets and others, Joseph Herzog, 4314 York road, Philadelphia, \$12,925.95. Cherokee, Ellett, Carpenter, Sedgwick, F. Mark Contg. Co., N and Wingohocking streets, Philadelphia, \$14,318.24. Daggett, Media, Callowhill, Flanders, Girard, Miele & Perna, care of owners, \$3,560.16. Euclid, Morse, Fifty-second and Fifty-third streets, Georges lane and others, L. Dolente, 5122 Master street, Philadelphia, \$11,536.21. Gaul, Memphis, Miller, Tioga and others, Wilson E. Martin, Inc., Second and Jefferson streets, \$2,674.44. Gilbert, Gorga, Maryland, Mohican and others, Joseph Herzog, 4314 York road, Philadelphia, \$6,565.23. Graham, Hobart, Melvin, Salford and others, W. H. Riddle, Commercial Trust Building, Philadelphia, \$6,407.26. Knorr, Loughlin, Montour, Unruh and others, Dewees Brothers, Shelburne and Vincent streets, \$24,933.18. Mt. Airy, Cheltenham, point South of Thouron, J. F. Malloy, 15 East Mermaid lane, Philadelphia, \$18,372.18. Ryan, Roosevelt to Lexington, Ballinger & Dougherty, care of owners, \$11,258.15. Whitaker, Herkness to Loretta, J. Herzog, 4314 York road, Philadelphia, \$4,598.70. Eighteenth, Sixty-sixth avenue and Ogontz avenue, McCarrick Brothers, 3240 Fox street, Philadelphia, \$8,159.82. Aurania, Dearnley, Summit and others, Municipal Contg. Co., Second and Wingohocking streets, \$18,556.76. Brighton, Disston, Castor, Princeton, Municipal Paving Co., Second and Wingohocking streets, \$27,418.60. Loretta, Glenview to Friendship, Municipal Paving Co., Second and Wingohocking streets, \$11,650.98.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

West Philadelphia High School (alts.), Forty-eighth and Walnut streets, Philadelphia. School, Cottman and Loretta streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: West Philadelphia High School—William Langhorne, 10 South Eighteenth street, Philadelphia, \$189,890; plumbing, J. Borden & Bro., 637 North Nineteenth street, Philadelphia, \$19,918; electric, Mitchell Co., 1337 McFerran street, Philadelphia, \$8,875; heating, Thompson Bro., 512 Buttonwood street, Philadelphia, \$12,841; ventilating, W. P. Cameron Engr. Co., Packard Building, Philadelphia, \$2,697. Cottman and Loretta streets—McCloskey Co., 1620 Thompson street, Philadelphia, \$987,471; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$41,854; electric, Walker-Kepler, 531 Chestnut street, Philadelphia, \$48,033; heating, McClintock & Co., 5608 Race street, Philadelphia, \$35,495; ventilating, Thompson Brothers, 512 Buttonwood street, Philadelphia, \$8,833.

Lawndale Branch (int. alts.), Rising Sun

and Magee street, Philadelphia. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Oak Lane Trust Co., Broad and York road, Philadelphia. Stair work, mill work, entrance grills, cement floors, composition floors, revolving doors, painting, glazing, bronze work. Contract awarded to Henry Allen, Wynnewood, Pa.

Store and Office (alts.), 2030 Chestnut street, Philadelphia. Architect, David Supo-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet iron
well as samples of the Murp



THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

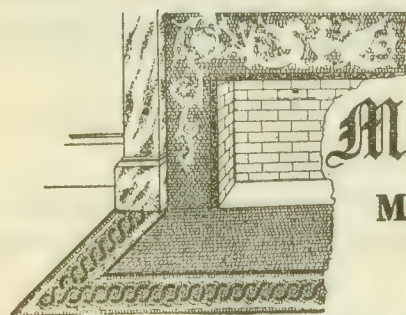
THERE IS ONLY ONE IN-A-
"THE MURPHY"

STERLING STUCCO and PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
18th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

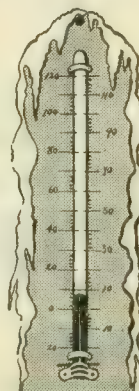
TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertain
of cement floor finish. Furnished in crys
the job. This results in economy. For furt

**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



EDS

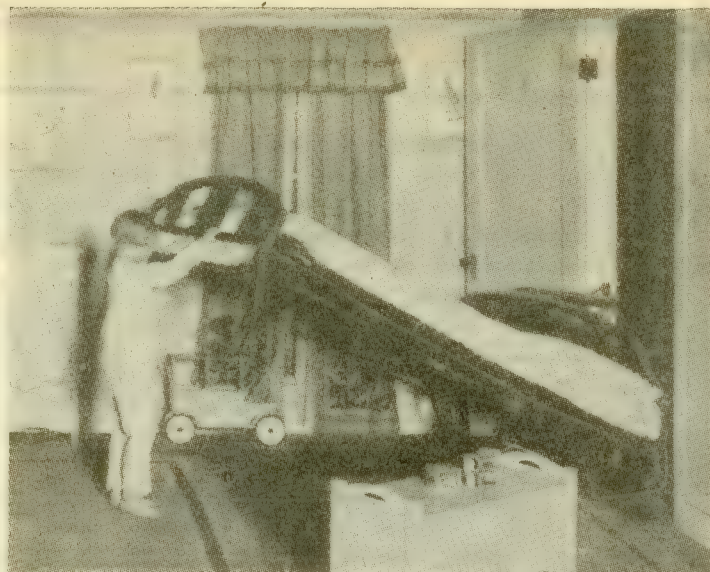
mes
ings

call at our
in kitchen
boards as
beds

CO.

y Building
44th Street
y York

BED



A child can operate the bed

fortable, Convenient
here represented sell
l Specified Materials or
t of their co-operation.



Instead of Leaky Shower Bath Curtains LEHMAN SPRAYSHIELDS

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation

Designed Right **L. H. LEHMAN** "Don't Bathe
Priced Right 1210 North 8th Street In a Tent"
PHILADELPHIA

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520 138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

EMPERITE

m Freezing

is to time for first trowelling
orm, all water being added at
formation, ask

e Truscon
poratories



Phila. Office :
1505 Race Street

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

witz, 929 Chestnut street, Philadelphia. Owners, 2030 Chestnut Street Realty Co., care of architect. Steam heat, electric light, plumbing, painting and glazing, concrete and cement work, limestone, mill work, carpentry

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE

LIMESTONE

GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

and metal lath, tile work, brick work, travertine, hardware. Contract awarded J. W. Emery, 34 South Sixteenth street, Philadelphia.

Attendants' Building and Nurses' Home, Byberry, Pa. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Health, Bureau of Hospitals, City Hall, Philadelphia. Contract awarded to Kober Const. Co., 34 South Seventeenth street, \$260,000. Heating to Equipment & Eng. Co., 2130 Locust street, \$20,000. Plumbing to Bulman Brothers, Fifth and Cumberland streets, \$24,777. Electric to W. V. Pangborne, 1927 West Montgomery avenue, \$8,914.

Bank Building Extension (int. alts.), 18 and 20 South Fifteenth street, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Peoples Bank & Trust Co., on premises. General interior alterations. Contract awarded without competition to Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Parish House (alts. and add.), 2210 Sansom street, Philadelphia. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owners, St. James' Church, on premises. Carpentry, mill work, painting, plastering, electric, hardware. Contract awarded A. V. Gilchrist, Drexel Building, Philadelphia, \$5,000.

Sales Building, Broad and Hunting Park avenue, Philadelphia. Architect, Philip H. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Preiss Nash Motor Co., on premises. Reinforced concrete brick, steel, 12 stories and basement, 111x133 feet (plumbing, heating, electric reserved), slag roof, cement floors, metal lath, tile work, rolled steel sash, ornamental iron work. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Store and Residence (add.), 1642 Point Breeze avenue, Philadelphia, \$7,000. Architect, private plans. Owner, R. Berg, 1642 Point Breeze avenue, Philadelphia. Brick, 2 stories add., 15x15 feet. Contract awarded to J. Satler, 1408 North Marshall street, Philadelphia.

Building (add. and alts.), 1537 South Broad street, Philadelphia, \$5,000. Architect, private plans. Owner, Imbert Marconi, 226 South Fourth street, Philadelphia. Brick, 2 stories add., 14x28 feet, general alterations. Contract awarded to V. Manginill, 1646 South Sixteenth street, Philadelphia.

Store and Storage (add.), 749 South Eighth street, Philadelphia, \$2,000. Architect, private plans. Owner, Ferdinand Piscotti, 742 South Ninth street, Philadelphia. Brick, 3 stories add., 14x9 feet. Contract awarded to Joseph Di Christofaro, 1140 South Seventh street, Philadelphia.

Office Building (alts.), 1312-16 Arch street, Philadelphia, \$2,000. Owners, Bell Telephone Co. of Penna., on premises. General alterations. Contract awarded to Haverstick-Borthwick, 1505 Race street, Philadelphia.

Residence, 631 Poplar street, Philadelphia, \$4,000. Architect, private plans. Owner, R. Levinson, 623 Poplar street, Philadelphia. Brick, 3 stories, 16x19 feet, 13x21 feet, slag roof, pine floors. Contract awarded to M. Goodstein, 5714 Warrington avenue, Philadelphia.

Residences (add. and alts.), 2114 Delancey street, Philadelphia, \$3,800. Architect, private plans. Owner, Briton Martin, 1912 Panama street, Philadelphia. Brick, fourth story add., 12x24 feet, general alterations. Contract awarded to William S. Hillesley, 2052 Sansom street, Philadelphia.

Store and Office (alts.), 5522 Germantown avenue, Philadelphia, \$4,000. Architect, private plans. Owner, John D. Enright, on premises. General alterations. Contract awarded to Paul Brosz, 2515 West Huntingdon street, Philadelphia.

Manufacturing Building, Southwest Corner Water street and Wharton lane, Philadelphia. Architect, private plans. Owner, Katherine G. O'Brien, on premises. Brick, 2 stories, 67 feet 5 inches x 101 feet 4 inches. Contract awarded to E. J. Kreitzburg Co., 1333 Arch street, Philadelphia.

Storage Building, East side Island road, North of Elmwood avenue, Philadelphia, \$12,000. Architect, private plans. Owner, T. I. Corson, on premises. Brick, 1 story, 39 feet 5 inches x 108 feet. Contract awarded to William F. Koelle & Co., Twentieth and Oxford streets, Philadelphia.

Store and Storage Building, 1024 South street, Philadelphia, \$7,300. Architect, private plans. Owner, M. Aft, 1725 South street, Philadelphia. Brick, 3 stories, 18x35 feet. Contract awarded to Wolf & Sheffitt, 3819 Poplar street, Philadelphia.

Residence (alts.), 2907-09-11-13 North Orkney street, Philadelphia, \$4,000. Architect, private plans. Owner, H. Hauptfuhrer, Melrose, Pa. General alterations. Contract awarded to H. P. Werner, 3245 Germantown avenue, Philadelphia.

Residence (repairs), 1009 South Forty-eighth street, Philadelphia, \$2,000. Architect, private plans. Owner, J. Martin, on premises. General fire repairs. Contract awarded to James A. Fitzgerald, 1623 Snyder avenue, Philadelphia.

Residences (2), West side Torresdale avenue, North of Wingate street, \$10,000 total. Architect, private plans. Owner, Joseph Piscorilla, Torresdale avenue, Holmesburg. Brick, 2 stories, 16 feet 9 inches x 41 feet 5 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Holmesburg Concrete Co., Holmesburg, Pa.

Residence, Southwest Corner Sixty-eighth and Regent streets, Philadelphia, \$6,000. Architect, private plans. Owner, George Hamilton, 2036 South Seventieth street, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Julius Nelson, Darby, Pa.

Building (alts.), 6069-71 Wister street, Philadelphia, \$8,500. Architect, private plans. Owner, A. Chainoff, 5165 Wakefield street, Philadelphia. General alterations. Contract awarded to R. Robbins, 4733 North Camac street, Philadelphia.

Miscellaneous Sewer Work, Philadelphia. Owners, Department of Public Works, City Hall, Philadelphia. Contracts awarded: Dunlap street, Fifty-seventh to Fifty-ninth, Perna Eng. & Const. Co., 739 South Eighth street, Philadelphia, \$14,525.91. Frazier street, Elmwood avenue to Gray's avenue, Garson & Gar-

son, 1243 North Fifty-eighth street, Philadelphia, \$5,338. Haddington avenue, Fifty-seventh to Fifty-ninth street, Leva Brothers, 104 West Yale street, Philadelphia, \$12,945.50. Oakmont street, Frankford avenue to Rowland street, F. Di Pasquale, 1215 South Seventh street, Philadelphia, \$18,000.15. Randolph street, Johnston street to Oregon avenue, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$8,045. Smedley street, Cheltenham avenue to Sixty-fifth avenue, E. F. Bennis, 641 East Cheltenham avenue, Philadelphia, \$5,913.75.

Municipal Asphalt Plant, Fifty-first and Gray's avenue, Philadelphia, \$54,800. Owners, City of Philadelphia, Department of Public Works, Philadelphia. Contract awarded to Charleroi Iron Works, Charleroi, Pa.

Pennsylvania Construction News

Water Supply System, below Milford, at mouth of Bushkill Creek, near Delaware Water Gap, Pa., \$227,000,000. Owners, Department of Water, City of Philadelphia. Work contemplated.

Sewage Disposal Plant, Northampton, Pa. Owners, Borough of Northampton, Pa. Work contemplated.

Office Building, site not selected, \$70,000. Owners, Delaware County Real Estate Board, W. A. Loomes, Upper Darby, Pa. Work contemplated.

Consolidated High School, between Perkasio and Sellersville, Pa., \$150,000. Owners, School Boards of Perkasio and Sellersville, Pa. Work contemplated. Project will be voted on in March meeting.

Church, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Luke's Lutheran Church, Rev. W. A. Fluck, 507 North Ninth street, Reading, Pa. Brick, 1 story and basement, 70x90 feet. Plans in progress.

City Hotel, Gettysburg, Pa., \$12,000. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, care of Dr. Keat, City Hotel, Gettysburg, Pa. General interior alterations, plumbing, partitions. Plans in progress.

Grammar School (add.), Logan avenue, Glenolden, Pa. Architect, C. W. Brazier, Chester, Pa. Owners, School Board of Glenolden, F. H. Roberts, Glenolden, Pa. Four additional class rooms and auditorium. Plans in progress.

Glen-Nor High School, wing, Norwood side. Architect, C. W. Brazier, Crozer Building, Chester, Pa. Owners, School Board of Glenolden, F. H. Roberts, Glenolden, Pa. Six additional class rooms. Plans in progress.

High School (add.), Carlisle, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Carlisle School Board, Thomas Vale, secretary, Carlisle, Pa. Brick, steel, concrete, 2 stories, 202x62 feet, built-up roof, maple floors, composition floors, hollow tile, safety treads, roof ventilators (plumbing, heating, electric separate), waterproofing, cut stone. All bids rejected. Revised plans in progress. Will be ready for bids in about ten days.

School, McVeytown, Pa. Architect, Edward F. Black, 202 North Third street, Harrisburg, Pa. Owners, McVeytown and Oliver Townships Consolidated School Board, B. F. Diefenbach, secretary, McVeytown, Pa. Brick, 1 story, 4 rooms and auditorium, composition roof, pine floors, roof ventilators (heating, plumbing and electric separate). Owners will be ready for bids March 1st.

Schools (2) (alts.), Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, care of Bethlehem Steel Co., Steelton, Pa. General alterations, partitions, electric work, metal lath, laboratory equipment, school equipment. Ready for bids March 1st.

Gymnasium and Auditorium, Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, Steelton, Pa. Fireproof, 1 story, 216x60 feet, built-up roof, concrete and maple floors, hollow tile, safety treads, roof ventilators, waterproofing, damp-proofing, iron stairs, ornamental iron, steel sash and skylights, tile and marble, metal lath (heating, plumbing and electric separate). Owners will be ready for bids March 1st.

Store, Sunbury, Pa. Architect and engineer, Edward F. Black, 202 North Third street, Harrisburg, Pa. Owners, Fryling Stationery Co., Sunbury, Pa. Brick, 1 story, 23x60 feet, composition roof, pine floors, metal ceilings, heating extension, electric light, skylights. Owners will build.

School, Shartlesville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Upper Bern School District, John S. Bern, secretary, Shartlesville, Pa. Brick, 1 story and basement, 58x83 feet, slag roof, composition floors, roof ventilators, metal weather strip, bond (heating, plumbing and electric separate), metal lath. Owners will advertise for bids February 26th.

Chapel, Lebanon, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Salem Lutheran Memorial Church, Rev. R. Keiler, Lebanon, Pa. Stone, steel, 1 story and basement, 35x55 feet, composition roof, oak floors, cabinet mill work, leaded glass, metal lath, vapor heat, electric light. Owners will be ready for bids in two weeks.

Bank and Offices, West Chester pike and Coplay road, Upper Darby, Pa. Architect, name withheld. Owners, Media Title & Trust Co., F. Rhoads, Media, Pa. Stone, limestone, steel, concrete, 3 stories (provision for six stories), 80x97 feet, V shape. Plans in progress. Will take bids in six weeks.

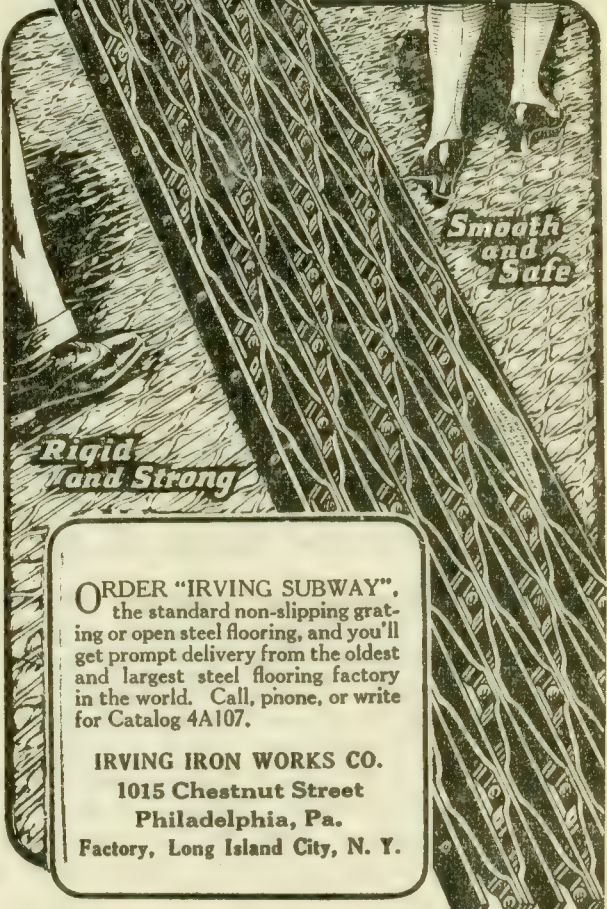
Fraternity House, State College, Pa. Architect, H. Y. Shaub, 20½ North Queen street,

Lancaster, Pa. Owners, Phi Kappa Sigma Fraternity, R. Cummings, secretary, State College, Pa. Stone, 3 stories and loft, 120x100 feet, slate roof, hardwood floors, steam heat, electric light, tile and marble. Architect ready for revised bids.

Warehouses (2), Forty Fort, Pa. Architect, J. B. Harmon, 54 North Queen street, Lancaster, Pa. Owner, William S. Raub, West James and Mulberry streets, Lancaster, Pa. Reinforced concrete, 1 story, 352x50 feet, 33x109 feet. Owner ready for bids.

Arcade Building, containing 27 stores, offices, underground garage for 100 cars, Lancaster pike to Athens avenue, Ardmore, Pa. Architect, private plans. Owner, James Lyons, 44 West Lancaster avenue, Ardmore, Pa.

Always-When You Need Gratings —

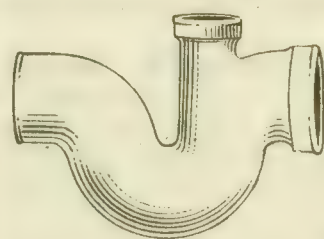


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING



When you want Prompt Service, Intelligent Co-operation and Reliable

SEWER PIPE, FLUE LINING, WALL COPING

CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Brick, 4 stories and 1 story, 38x50x80 feet, slag and concrete roof, plumbing, elevators, steam heat, electric light, tile and marble work, metal lath, plate glass. Plans about completed. Owner will be ready for bids in one week.

Residences (2), Swarthmore, Pa. Architect, J. L. Conarroe, 225 South Sydenham street, Philadelphia. Owner, Gertrude Buck, care of architect. Stone, brick, 2½ stories and basement, 38x45 feet, slate roof, oak and yellow pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron. Architects taking bids due February 19th.

Garage, Cameron street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Myers Accessory House, Eleventh and Mulberry streets, Harrisburg, Pa. Concrete, 2 stories, 44x81 feet, slag roof, concrete floors, roof ventilators, fire doors, steel sash, electric light. Architect taking bids.

Garage and Service Station, 530 Center avenue, Reading, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, S. R. Bigony, 428 Washington street, Reading, Pa. Brick, steel, cinder block, 1 story, 60x100 feet, irregular, slag roof, concrete floors, heating extension, electric light, steel sash, fire doors. Architect taking bids.

Garden Theatre, Stores and Offices, Frackville, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, Myer Paret, Frackville, Pa. Hollow tile steel, reinforced concrete, 1 story, 45x70 feet, slag roof, pine floors, marble work, plate glass, copper bulks, fire doors, ventilators, steel basement windows, changes to heating and lighting. Owner taking bids.

Residence, Merion, Pa. Architect, Alexander M. Adams, 1012 Walnut street, Philadelphia. Owner, name withheld. 2½ stories and basement. Architect taking bids due as soon as possible.

Rebuilding Church and Sunday School, Pottstown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Trinity Reformed Church, Pottstown, Pa. Stone, brick, cut stone, steel, 2 stories, gallery and basement, 39x53 feet (new addition), cork tile, cement and pine floors, metal lath, tile work, hollow metal doors, bond, floor hardener, ornamental iron work, metal ceilings, integral waterproofing, dampproofing, reinforced concrete work, nailerete, area gratings, brass work, caulking, Parlock plaster bond, painting and glazing, carpentry and mill work. Owners, care of John K. Klink,

City Hall, Pottstown, Pa., taking bids due February 28th.

Junior-Senior High School, Hughesville, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hughesville School Board, Hughesville, Pa. Brick, limestone, steel, 2 stories and basement, 103x73 feet, wing 46x100 feet, built-up roof, pine and cement floors. Lowest bidders: J. C. Snyder, Selinsgrove, Pa.; plumbing, Edwards Hardware Co., Muncy, Pa.; heating, Lindemuth Eng. Co., 155 North George street, York, Pa.; electric, Otis Garthoff, Williamsport, Pa.

Stores and Apartments (7), Rittenhouse Place, Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, H. J. Rittenhouse, Ardmore, Pa. Brick, concrete block, limestone, 3 and 2 stories and basement, 58x27 feet, 6 stories, 20x52 feet, hot water heat, electric light, metal lath, slag roof, cement floors, ornamental iron work, bond. Architects taking bids due February 21st.

Residence, Overbrook Hills, Merion, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, S. A. Seltz, care of architect. Frame, 2½ stories, 25x36 feet, wing 10x12 feet, garage, 1 story, 10x20 feet, cement work, tile and marble work, central heat, electric light, shingle roof, hardwood floors. Owner taking sub-bids.

Church School Building, Philipsburg, Pa. Architects, Bureau of Architects, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Trinity Methodist Episcopal Church, Philipsburg, Pa. Stone, brick, cut stone, steel, 3 stories and basement, 115x68 feet, built-up and asbestos shingle roof, composition, maple and cement floors, plumbing, integral waterproofing, vapor heat, electric light, metal lath, hollow metal sash, kalamein doors, bond, ornamental iron work, floor hardener, steel partitions, steel vault doors, cast stone, flagstone, bluestone, area gratings. Architect taking revised bids due February 19th.

Pennsylvania Contracts Awarded

Auditorium, East Stroudsburg, Pa. Architects, E. H. Davis and George H. Lewis, Board of Trade Building, Scranton, Pa. Owners, Board of Trustees, State Normal School, Stroudsburg, Pa. Contract awarded to following but not signed: Stofflet & Tillotson, Wesley Building, Philadelphia, \$83,700. Heating, P. F. & M. T. Howley, Inc., 231 Wyoming avenue, Scranton, \$8,793. Electric, Barnes & Armbruster, 912 Myrtle street, Scranton, Pa., \$2,310. Plumbing, low bidder, not awarded, H. A. Riesenberg, Scranton, Pa., \$3,434.

Church School and Community Building, Bywood, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Mary C. Sellers Methodist Episcopal Church, Bywood, Delaware County, Pa. Stone, cut stone, steel, 2½ stories and basement, 56x80 feet, slate roof, oak, maple and cement floors, metal lath, tile work, bond, rolled steel sash, ornamental iron work, artificial stone. Contract awarded N. W. Bryan, 10 South Eighteenth street, Philadelphia; plumbing and heating, Hughes Brothers, Drexel Hill, Pa.; electric, A. E. Arnold, 1019 Cherry street, Philadelphia.

Residence, Wynnewood, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Fred Peirce, Esq., on premises. Stone, steel, 2½ stories and basement, 45x105 feet, slate roof, oak and pine floors, metal lath, tile work, ornamental iron

work, bond. Contract awarded F. G. English, 1610 North Carlisle street, Philadelphia.

High School, Newport, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, School District, Borough of Newport, Newport, Pa. Brick, steel, 2 stories, 157x96 feet, 38x60 feet, composition roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing, cut stone, ornamental iron, iron stairs, steel skylights and sash. Contract awarded to Warren Stokes, Blain, Pa.

Residence (alts.) to Apartment, 38 South Ninth street, Reading, Pa. Architect, private plans. Owner, J. R. Kirst, on premises. General alterations, partitions, plumbing, hot water heat, electric light, fire escape. Contract awarded to Charles Schlegel, 2250 Perkiomen avenue, Reading, Pa.

Residences (20), Tenth and Union streets, Darby, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, Whittier Center Housing Co., Darby, Pa. Brick, 2 stories, 16x40 feet, slag roof, oak and pine floors, plumbing, electric light, iron work. Contract awarded Clayton Lofland, 231 North Water street, Philadelphia.

Apartment House, Linwood and Argyle roads, Ardmore, Pa. Architect, W. Macy Stanton, 1915 Land Title Building, Philadelphia. Owner, E. H. Fitt, 30 Linwood avenue, Ardmore, Pa. Brick, stone, steel, 3 stories and basement, 200x200 feet, built-up and slate roof, composition, tile and hardwood floors, hollow tile, dampproofing, ornamental iron work, fire, hollow metal and kalamein doors, rolled steel sash, tile and marble work, vacuum heat, electric light, oil burning and refrigeration. Contract awarded H. H. Conway, 5800 Walnut street, Philadelphia.

Residence, 413 Midvale, Beverly Hills, Pa., \$11,000. Owner, Charles Armor, 415 Midvale, Beverly Hills, Pa. Stone, brick, 2½ stories, 26x33 feet, hardwood floors, electric light. Contract awarded B. J. Campbell, 939 Flanders avenue, Overbrook, Pa.

School Building, Cheyney, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Cheyney Training School, Cheyney, Pa. Contract awarded Hood & Gross, 1535 Chestnut street, Philadelphia, \$23,487.

School, Horsham, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, Horsham, Pa. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia, \$43,047.

Bank, Waynesboro, Pa. Architects, Simons, Brittain & English, 929 Chestnut street, Philadelphia. Owners, First National Bank, Waynesboro, Pa. Brick, steel, stone, 1 story, 75x125 feet. Contract awarded to A. R. Warner, Waynesboro, Pa.

New Jersey Construction News

School, Wildwood Crest, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Wildwood Crest Board of Education, Wildwood Crest, N. J. Brick, 2 stories and basement. Plans in progress.

Community Department Store, Broadway and Kaighn avenue, Camden, N. J., \$2,000,000. Owners, Kaighn Avenue Business Men's Association, Samuel Goldstein, vice-president, Camden, N. J. Tentative plans drawn. Work contemplated.

Bank, Brunswick and Olden streets, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Security National Bank, care of architect. Brick, 1 story, 50x60 feet, asphalt roof, tile

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

MITCHELL BROS.
Carpenters, Builders and Contractors
2125 Race St., Phila.
Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT
211 Drexel Building
Philadelphia
Lombard 4900

floors, vapor heat, electric light, tile work, ornamental iron. Plans in progress.

Armory (add.), Camden, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Department of Institutions and Agencies, Trenton, N. J. Brick, steel, 2 stories and basement, 84x64 feet. Plans in progress.

Warehouse and Garage, Haddon avenue, Camden, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Security Warehouse Co., J. D. Henderson, Broadway and Cooper street, Camden, N. J. Brick, steel, concrete, 8 stories, 60x130 feet, 60x70 feet, reinforced concrete floors, slag roof, elevators, steam heat, electric light. Plans about completed. Architect will be ready for bids in ten days.

Bridge, Bridgeboro, N. J., \$360,000. Highway engineer, Maurice Goodking, Bridgeboro, N. J. County engineer, H. B. Smith, Burlington City, N. J. Owners, Burlington County Board of Freeholders, C. R. Stout. Single-leaf bascule bridge with 60-foot wide single clearance. Plans approved.

School, Merchantville, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Merchantville, N. J. Brick, steel, reinforced concrete, granite, 2 stories and basement, 97x125 feet, wing 66x58 feet, Barrett Specification roof, composition and linoleum floors, safety treads, roof ventilators, waterproofing, dampproofing, ornamental iron work, iron stairs, bond, fire and kalamein doors, rolled steel skylights, rolled steel sash, marble and terrazzo work, metal lath, bluestone, limestone, cinder concrete block, ornamental bronze, steel lockers, metal toilet partitions, limestone. Owners taking bids due February 21st.

School, South Pennsboro, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Board of Education of Winslow Township, A. C. Crowley, Pennsboro, N. J. Bond. Certified check, 10 per cent. Owners taking bids due February 25th.

Residences (3), Residence and Store (1), 1471-73-75-77 South Ninth street, Camden, N. J., \$10,000. Architect, private plans. Owner, Conrad Lambert, 1427 South Ninth street, Camden, N. J. Brick, 2 stories, (1) 16x56 feet, (3) 14x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Building, Woodbine, N. J. (State Colony for Feeble Minded). Architects, Division of Architecture and Construction, Trenton, N. J. Owners, State Colony for Feeble Minded, Woodbine, N. J., Department of Institutions and Agencies, Trenton, N. J. Concrete block, steel, brick, 1 and 2 stories, 160x83 feet, slate roof, wood, cement and linoleum floors, electric work (heating, plumbing and electric separate), tile and marble. Owners taking bids due March 7th.

Cottage, State Home for Girls, Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, 2 stories, 33x98 feet, slate roof, hardwood floors. Owners taking bids due March 7th.

School, Medford Township, N. J. Architect, Alex. Merchant, New Brunswick, N. J. Owners, Medford Township School Board, Medford, N. J. Low bidder: H. B. Miller, Edgewater Park, N. J., \$99,444.

Boardwalk, Wildwood, N. J. Engineer, City Engineer, Wildwood, N. J. Owners, City of Wildwood, Wildwood, N. J. Reinforced concrete, wood, 60 feet wide, 2,600 feet long. Lowest bidder: F. W. Schwiers, Jr., Co., 90 West street, New York, \$190,942.71.

Apartment and Store, Thirty-sixth and Federal streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Central Investment Co., care of architect. Irregular size. Sketches in progress.

Apartment House, East Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Lester White, care of architect. Brick, cinder block, 2 stories, 32x54 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Church, Oaklyn, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Oaklyn Methodist Episcopal Church, care of architect. Frame, 1 story and basement, 30x72 feet, asphalt shingle roof, pine floors, steam heat, electric light, church furniture. Plans in progress.

Apartment Building, Haddonfield, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Jerome Hurley, care of architects. Brick, steel, fireproof, 3 or 6 stories, 30x100 feet, slag roof, oak, pine and composition floors, linoleum floors, vapor heat, metal lath, electric light, tile work, fire doors, iron stairs, ornamental iron. Plans in progress.

Auto Bridge, Longport to Ocean City, N. J. Owners, Company, care of Postmaster E. J. Sutton, Ocean City. Bascula withdraw, with 100 feet clearance between piers and vertical clearance. Preliminary plans in progress.

Church, Audubon, N. J. Architect, private plans. Owners, Holy Trinity Lutheran Church, Rev. J. D. Krout, Audubon, N. J. Plans drawn. Work contemplated.

Department Store, Starr and Entrance Road, Camden, N. J., \$750,000. Architects, George C. Nimmons Co., 122 South Michigan Boulevard, Chicago, Ill. Owners, Sears-Roebuck Co., Mr. L. J. Rosenwold, Boulevard, Philadelphia. Brick, reinforced concrete, limestone, steel, 2 stories (plumbing, heating, lighting and elevator reserved), rubber tile, maple and cement floors, slag roof, safety treads, integral waterproofing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, kalamein doors, iron stairs, caisson. Plans in progress. Will be ready for general bids late in March.

School, Woodlynne, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Woodlynne School Board, A. Cox, secretary, care of architect. Brick, steel, 2 stories, 38x72 feet, slag roof, maple floors, safety treads, roof ventilators (heating, plumbing and electric separate), fireproof doors. Plans in progress. Plans will be ready for bidders February 23rd.

Street Paving, Merchantville, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Merchantville, Borough Council. Merchantville, N. J. Lowest bidders: Fish-Rutherford Co., 4058 Chestnut street, Philadelphia, \$55,804.50.

Apartment House, Moving Picture Theatre and Stores, Absecon, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owner, T. M. Carter, Absecon, N. J. Con-

crete, steel, stucco, 2 stories, 122x79 feet, slag roof, pine and terrazzo floors, metal ceilings, iron stairs, fire doors, plate glass, tile work, steam heat, electric light. Owner will build.

Building (alts. and add.), 1741 Boardwalk, Atlantic City, N. J. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Brunswick, Balke & Callender Co., Atlantic City, N. J. Architects taking bids February 17th.

Grading and Fill, Crescent Boulevard, Collingswood and Big Timber Creek, N. J. Owners, State Highway Department, Trenton, N. J. Owners taking bids due February 28th, 140,158 cubic yards excavation, 663,000 cubic yards fill.

Sewage Disposal Project, Barrington, N. J., \$300,000. Borough engineers, Albertson & Hammond, Barrington, N. J. Owners, Borough of Barrington, Borough Hall, Barrington, N. J. Includes pipe, installation, sewage disposal plant, etc. Tentative plans drawn. Work approved.

New Jersey Contracts Awarded

Buildings, North Jersey Training School for Feeble Minded, Totowa, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Contracts awarded: Dining Hall and Kitchen—Bowe & Millmet, Union City, N. J., \$102,400; plumbing, George J. Tobin, Plainfield, N. J., \$23,985; heating, George J. Tobin, Plainfield, N. J., \$9,355; electric, Fischbach & Moore, 222 East Forty-second street, New York, \$4,446. Vocational, Industrial and School Building—C. J. Smith Const. Co., 202 Academy street, Trenton, N. J., \$113,626; plumbing, J. T. Evans, Wilkes-Barre, Pa., \$10,131.67; heating, George J. Tobin, Plainfield, N. J., \$9,981; electric, K. W. Electric Co., 47 Lawrence street, Newark, N. J., \$7,173. Recreation and Assembly Building—F. & C. Haerter, West New York, N. J., \$111,640; plumbing, George J. Tobin, Plainfield, N. J., \$6,498; heating, George J. Tobin, Plainfield, N. J., \$7,963; electric, Hoffman & Elias, 59 East Fifty-first street, New York, \$9,396. Laundry—C. J. Smith Const. Co., 202 Academy street, Trenton, N. J., \$24,850; plumbing, George J. Tobin, Plainfield, N. J., \$2,435; heating, George J. Tobin, Plainfield, N. J., \$2,971; electric, Hoffman & Elias, 59 East Fifty-first street, New York, \$1,818. Power House—Edward M. Waldron, Inc., 27 Central avenue, Newark, N. J., \$48,278; plumbing, George J. Tobin, Plainfield, N. J., \$1,689; electric, K. W. Electric Co., 47 Lawrence street, Newark, \$19,913; coal handling, J. H. Cooney, Harrison, N. J., \$29,940. Radial brick Chimney—Rust Eng. Co., Pittsburgh, Pa., \$8,500. Elevators, Otis Elevator Co., Otis Building, Philadelphia. \$2,860.

Residences, 7904 Atlantic avenue, Margate City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, Mrs. Ida Van Valkenburg, care of architect. Frame, 2 stories, 26x42 feet, slate roof, hardwood floors, tile work, electric light. Contract awarded to J. L. Stone, 112 New Haven avenue, Ventnor, N. J.

Building (add. and alts.), 520 Federal street, Camden, N. J., \$3,600. Architect, A. B.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

Gill, 328 Market street, Camden, N. J. Owner, William Plevinsky, 520 Federal street, Camden, N. J. Brick, 1 story add., 4x14 feet, new store front, tin roof, general alterations. Contract awarded to S. Levy, 1214 Kaighn avenue, Camden, N. J.

Residence, 1036 North Thirty-fifth street, Camden, N. J., \$3,600. Owner, John Kane, 1036 North Thirty-sixth street, Camden, N. J. Frame, 1½ stories, 24x34 feet, slate surface roof, hot air heat. Contract awarded to Allen & Renner, 2721 Lincoln avenue, Camden, N. J.

Elevators, Seventh and Linden streets, Camden, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Camden Bridge Garage, on premises. Contract awarded Otis Elevator Co., Otis Building, Philadelphia.

Residence, Haddon Heights, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, J. V. Moran, Haddon Heights, N. J. Stucco, 2½ stories, 30x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. Strang, Haddon Heights, N. J.

Miscellaneous Construction News

Plant (add.), Wilmington, Del., \$38,650. Engineers, Kiebetz & Koenig, Emerson Tower Building, Baltimore, Md. Owners, Wiltex Co., 10 East Twenty-second street, Wilmington, Del. Brick, concrete, steel, 1 story and basement, 214 feet 4 inches x 86 feet, saw tooth roof, concrete and wood floors, roof ventilators, heating extension, electric light, metal lath, steel sash and skylights, fire doors. Plans in progress. Will take new bids in spring.

Residence and Garage, Strafford and Buena Vista avenue, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, R. D. Shore, Winston-Salem, N. C. Hollow tile, stucco, 2½ stories and basement, 130x45 feet, tile roof, oak and pine floors, metal lath, tile work, bond, ornamental iron. Architect taking bids due February 19th.

Miscellaneous Contracts Awarded

Laundry, Garage and Central Heating Plant, Frederick, Md. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Hood College, Dr. J. H. Apple, Frederick, Md. Fireproof, 1 story, 55x140 feet, composition roof, concrete floors, gypsum block, roof ventilators, cast stone, tile work, fire doors, steel sash and skylights, electric light. Contract awarded to H. C. Culler, Frederick, Md.

Residence, Louisville, Ky. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Dr. J. H. Simpson, Louisville, Ky. Frame, 2½ stories, 35x80 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Palmer Graham, Louisville, Ky.

Raynor's Plasterers' Safety Clips for securing metal lath to furring bars are gaining popularity daily. On the new Provident Life & Trust Company's new office building, at Seventeenth and Chestnut streets, Philadelphia, these clips were specified by Rankin & Kellogg, Philadelphia Architects.

Alvin C. Bieber, Architect, has opened new offices at 1520 Locust street, Philadelphia. Kindly send all catalogues to this address.

(Continued from page 100)

the borrower fails for a period of eighteen consecutive months to pay at least one-third of the aggregate of principal and interest payments maturing during such period, the house of issue shall notify all holders of the bonds of the same issue of the default.

Appraisals

In order to assure conservative and sound appraisals and to facilitate their analysis, the house of issue shall provide and be prepared to furnish as required, an appraisal setting forth in detail all items upon which it is predicated, and the specific amounts or percentages allocated to each item, together with the names and qualifications of the appraisers. The publishing or furnishing of appraisals shall mean that in the judgment of the house of issue, based upon its own investigation, such appraisals are reasonable and sound. Irrespective of the value of the security as determined by appraisals, the borrower in every issue should be required to have a substantial investment in the project. Efforts shall be immediately initiated to secure a uniform basis of appraisals.

Circulars

Circulars should contain adequate information on the following points:

1. Location and description of security.
2. Ownership of property.
3. Name and identity of trustee.
4. Valuation of land or leasehold.
Valuation of buildings.
Name of appraisers.
5. Earnings (gross and net), whether actual or estimated.
6. Purpose of issue.
7. Amount of issue.
Interest rate.
Principal payments.
8. Provisions for and place of collection and distribution of principal, interest and income tax payments.
9. Guarantee of house of issue to bondholders, of completion of building, free and clear of prior liens, with right to discharge such liability at the option of the house of issue by the repurchase of the bonds at the original purchase price and accrued interest.
10. Full disclosure of any interest, direct or indirect, of house of issue or its officers or principal stockholders in the security other than as the house of issue.

Interim Receipts

Sales of securities before the permanent bonds are available, should be either through the sale of temporary bonds executed by the mortgagor, or interim receipts in which the trustee shall join as a party, and which shall certify that there

has been delivered to the trustee a temporary bond which is held by the trustee for the benefit of the holders of interim receipts to the extent of their respective holdings.

Accounts

Each house of issue shall maintain a construction liability account, an interest and amortization account, and a capital account.

The construction liability account shall consist of all of the liabilities of the house of issue to borrowers on construction issues. The house of issue shall at all times have assets consisting of cash, governmental securities, assets convertible into cash within forty-eight hours, or bonds secured by uncompleted or completed buildings, or loans fully collateralized by such bonds, at least to the amount of the total liabilities in said construction liability account; provided, however, that none of the aggregate of said bonds shall be composed of bonds maturing in more than one year, which have been repurchased by the house of issue at the request of the holders thereof.

The interest and amortization account shall hereafter be carried as a separate trust account and shall consist of all of the liabilities for principal, interest and tax payments paid by borrowers to the house of issue before payment thereof to the holders of bonds. The house of issue shall at all times have assets consisting of cash, governmental securities, or other assets convertible into cash within forty-eight hours, at least to the amount of the total liabilities in said interest and amortization account.

Withdrawals of cash from either the construction liability account or the interest and amortization account shall be only to make payments for liabilities included in said accounts, or for the purchase of assets of the kind and character provided for in said respective accounts.

Solvency and Liquidity

The solvency and liquidity of the house of issue enabling it to promptly meet all obligations at maturity, shall be maintained at all times.

1. By the house of issue having on hand at all times assets consisting of cash, governmental securities, or other assets convertible into cash within forty-eight hours, in an amount in excess of all liabilities which will reasonably mature within thirty days, with the right to credit against the amount of such liabilities, an amount equal to one-half of the cash sales of the house of issue for the preceding thirty day period; but in no event shall the credit for such cash sales exceed two-thirds of the amount of the liabilities maturing within the following thirty days.

2. By having on hand assets in addition to those required under the provisions of section 1, which can reasonably under

ordinary business conditions, be converted into cash within sixty days to an amount equal to at least 33 1/3% of all liabilities beyond those maturing in the ensuing thirty days, and other than capital and fully collateralized liabilities.

3. To maintain assets not in default and not frozen at least to the amount of all liabilities other than those named in provisions No. 1 and No. 2 and other than capital and fully collateralized liabilities.

Correct statements of financial condition, properly verified by independent, certified or public accountants, shall be regularly forwarded to the authorities of the various states having jurisdiction or supervision of the houses of issue or of the securities issued by them. The accuracy of the statements submitted as well as the general condition of the houses of issue should at all times be subject to inspection by the properly constituted authorities of the various states.

Effective Date

The above provisions shall become effective as to each house of issue subscribing hereto not later than ninety days after such signature, and shall refer only to issues made or purchased by the houses of issue thereafter and shall not be retroactive as to any issues made prior thereto, provided that the accounts above mentioned shall be set up as much prior to said ninety days as practicable.

* * *

We reiterate our belief and conviction that adherence to the foregoing business principles will insure the stability and integrity of our business, and enable us to function as a distinct and independent unit in the investment field, rendering effective and valuable aid in the development of the economic structure of the country.

Subscribed to by the following houses of issue at the dates set opposite their names:

Greenebaum Sons Investment Co., by Edgar N. Greenebaum, Vice Pres. Dated January 21, 1927.

American Bond & Mortgage Co., by William J. Moore, President. Dated January 21, 1927.

The F. H. Smith Company, by G. Bryan Pitts, Chairman of Board. Dated January 21, 1927.

Federal Bond and Mortgage Company, by Alfred J. Murphy, President. Dated January 21, 1927.

S. Ulmer & Sons, Inc., by J. M. Ulmer, Treasurer. Dated January 21, 1927.

The foregoing draft of principles and provisions for the conduct of the first mortgage real estate and bond business is hereby approved by the Committee of the National Association of Securities Commissioners. January 21, 1927.

David H. Jennings, Chairman; Hezekiah N. Duff, R. E. McNellis.

The Committee unanimously feels that this agreement is a long step in the right direction in an industry which during the year 1926 sold approximately a billion dollars of first mortgage real estate bonds to the public and which has been responsible for the construction of many needed buildings and for replacing obsolete structures.

Mr. Roosevelt, Chairman of the Committee, personally believes that before the Committee makes its final report further steps should be taken, but is of the opinion that the results obtained from the present agreement made by certain bond houses with the Committee of the National Association of Securities Commissioners will furnish a better basis of determining what those steps should be and how far they should go.

In view of the Chicago agreement, the Committee has adjourned to await the result of the present steps and to confer later to consider those results and other matters not yet disposed of by the Committee. In the meantime a sub-committee has been appointed to consider uniformity in appraisals.

MAXIMUM VALUE FROM YOUR BUILDING DOLLAR

1. The Gains from Standardization

BY WILLIAM DALTON

General Electric Company

As told to ARTHUR VAN VLISSINGEN, JR. "Reprinted by Special Permission from Factory, the Magazine of Management"

"How does General Electric get so much for its money when it builds?" Industrial executives who have been asking this question—of themselves and others—will find the answer in this interesting series of five articles of which this is the first.

In planning a building for General Electric, one aim is kept constantly in mind: A building must be a satisfactory working unit and a comfortable housing for the people who have to work in it. These considerations outweigh the desirability of getting it put up at the minimum cost.

Naturally our purpose is to get a building measuring up to our requirements at a cost no higher than is absolutely necessary. The point is, however, that we plan the plant up to our standards rather than down to a price.

Experience has demonstrated that without question this is the profitable policy in construction. Perhaps there have been times in the past when it was good business to go about building with a different set of aims. Conceivably there may be such a time in the future. But at this time, the plant engineer who sets out to get anything but a first-class building is

going absolutely contrary to the General Electric conception of what constitutes sound policy.

For building costs are high today, in comparison with not so many years ago. There is no immediate prospect of their going materially lower.* And the one way to make sure that a construction project will turn out a profit maker in the long pull is to erect the plant so that it will serve well and last long. It cannot make money for the owner otherwise.

We hold before our eyes the reminder that unless a plant will last at least 50 years as an efficient production unit, then it has no business to be built. For the interest charges against a building are not materially increased if it is built well but with care to hold the cost down. And depreciation charges are decreased tremendously. Goods turned out in a 50-year factory do not cost as much as those produced in a plant built to last 20 years. That is just plain common sense.

But 50-year building makes mandatory another consideration: It must be a general-purpose building, rather than a single-purpose plant. In that span of years, it is almost certain that the product manufactured in a given factory will have changed almost completely at least once and probably many times.

Take, for example, the plant which has been going up at the rate of several buildings a year at West Philadelphia, our Elmwood Avenue Works. It is used entirely for making switches and switchboards, not the small stuff used in homes, but the larger units for industrial and central station purposes.

Some of this is fairly heavy manufacturing. Some of it, again, is reasonably light. But there is no reason why that plant might not be converted, at no more expense than the cost of changing machinery, to the manufacture of anything of moderate size in the General Electric line. Or for that matter, it would serve just as well in the manufacture of foodstuffs, or in woodworking, or in any other type of production which will go in the space available and which is not essentially a single-story operation (for these are multi-story buildings). What is more, it would be an efficient and not expensive plant for any of these purposes.

In this group of multi-story buildings, served by switch-tracks, each floor of each building is an open space unbroken except for the two rows of columns running the long way of the building. The typical units of this plant are built in 80-foot widths each, and each divided into 3 bays which run the full length of the building. Each bay is served by an overhead crane.

*See Cost of Building Chart, page 138, January, 1927, *Factory*.

"Service Towers" Give Unbroken Working Space

The unbroken working space is made possible by the use of our "service towers." These towers are simply parts of the regular factory buildings, the same height as the main buildings but separated from the working spaces by full walls. In the towers are all of the service features, all of the functions which do not classify unqualifiedly as production. Elevators, for instance, are all in tower space. So are stairways, and toilets, and everything of the sort. Water tanks surmount towers, so that sprinkler piping can come down in tower space instead of production space. The towers are the catch-alls for everything which, if located inside the main buildings, would cut into the unbroken working space.

Philadelphia has a fire law which provides that stairways must be in towers outside the main structure of the factory, and that these stairways must be open to the air, at least to the extent of unglazed window openings. This is, of course, a safeguard against fire and smoke while the employees make their way to safety in the event of a serious fire. But it is an operating nuisance, in that the employee using an open stairway in cold weather is exposed to extremes of temperature which are not only unpleasant but also dangerous. It is all right, of course, for the worker wearing a hat and overcoat, on the way home from work. But the man with a hurry-up errand who walks down from the fifth floor, where he has been working in a warm room, to the equally warm fourth, may be badly chilled on the stairs.

We have used a design which permits us to sandwich two flights of stairs into a tower, without taking up much more space than a single flight would. One of these flights complies explicitly with the fire law. The other is entirely enclosed. The open stair is slightly less accessible from the working floor, while the enclosed stair opens right out of the departments. Employees therefore use the enclosed stair for all ordinary purposes, remaining indoors comfortably. But the fire stair is right at hand, meeting the requirements of the ordinance and providing safe egress in case of fire.

Careful planning, standardization in every respect where it is desirable, and the most careful scrutiny of every detail about a prospective building make it possible for the General Electric Company to obtain the maximum value for every building dollar spent. We have standardized, for instance, on 17-foot floor to floor measurements throughout. This height permits the use of cranes. It admits a maximum of daylight, so that it is possible to work by daylight on a reasonably clear day even in the middle bay of a building 80 feet wide. And it

permits ample head room for mezzanines if they are needed.

Floor Covering a Part of Building Cost

Likewise we have standardized on putting into our buildings a floor covering, which we consider part of the building cost. For manufacturing departments we ordinarily use woodblock floor covering over the concrete.

Experience has taught us a worthwhile trick about laying linoleum, which is our standard floor-covering for office departments and the like. We leave the concrete floor uncovered for between six and nine months. Then, when the concrete has had ample time to dry out thoroughly, we put down the linoleum. Laying linoleum on new concrete frequently results in blistering, since the moisture works up out of the concrete and makes bad blisters because it cannot get through. Since we adopted the policy of waiting to lay the linoleum, we have had no trouble whatever with blistering linoleum.

We standardize in respects such as these, and in important procedures as regards the structural details of the building. But we are never so completely sold on a standard that we will not cheerfully scrap it and substitute another the minute we see an advantage in so doing. To refer once more to the West Philadelphia plant, the details of each building vary considerably from those of the earlier buildings on this same plant. The first buildings here were erected in 1924. As this is written, one of the largest units of the plant is being built. And the difference between certain of the refinements of detail in Building 6 and Building 10 is very noticeable.

For we are constantly experimenting on every important point which we have reason to believe we can improve. As soon as we have an improvement perfected, that becomes our new standard.

Standardization in building by no means should be interpreted as holding doggedly to any standard which can be raised. Experimenting takes time and costs money, to be sure. But if it is intelligently done it brings returns considerably greater than the cost. And standardization in a given respect—whether as to a type of construction to be followed, or a wall finish, has the advantage that it removes that point from the field of discussion until next time an improvement is suggested.

ORNAMENTAL STREET LIGHTING

The Murlin Mfg. Co., of 5420 Paschall Ave., Philadelphia, Pa., has been developing for the past two years a line of cast iron ornamental street lighting which fits in very naturally with their line of cast ornamental exterior lighting for homes, apartments, schools, hotels, factories, bridges, driveways, etc. The natural

development of this department has come with a number of street lighting contracts completely laid out and all specifications made by the engineers of this company. Some of these contracts have been successfully completed by contractors and others are now in the course of construction.

A fully equipped engineering department has been developed to promote the interest of cities as well as developers as it must be realized that the proper placing of street lighting units is essential not only with regards to the proper lighting but to the economy as well. The Murlin Mfg. Co. engineering department lays out street lighting systems including service poles, trenches, lighting units and will be glad to figure the approximate cost of complete erection when a plan of a city or development is presented, but only figure on furnishing cast iron posts.

The use of cast iron as a substantial post has been proven and in the construction of cast iron posts by this company all elements have been given consideration. It is a known fact that each day with the rising and setting of the sun there is internal sweating due to the difference in temperature which is a factor of corrosion to be considered. In addition to this there is frost, rain, snow and the other weather elements to be given consideration. A substantial cast iron post if properly weather-proofed will resist these elements practically indefinite.

The posts manufactured by this company are made in three parts, namely: the base, shaft and head. These different parts are all machined which means that they will stand positively straight.

By making them in three parts in case of any breakage any one part can be replaced as all parts are interchangeable and this will mean a distinct saving to the customer.

Posts made from cast iron will not bend or break from a slight knock due to the rigid construction.

Standards manufactured by this company are equipped to take any voltage, transformers, pot heads or any material used in the erection of standards.

The Murlin Mfg Co. is now in a position to serve the trade along these lines with standards and the proper engineering information.

The Murlin Manufacturing Company, 54th and Paschall Avenue, Philadelphia, has just issued a catalogue illustrating a line of solid cast bronze exterior fixtures and showing list prices on all fixtures manufactured by them at the present time in iron and in cast bronze. A section of the catalogue devoted to street lighting is very instructive and should be of valuable service to Architects, Engineers, and Contractors. Copy on request.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' HARDWARE
Devitt, Paul J.1101 S. 2nd St., Phila.

BUILDERS' SUPPLIES
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING
Sterling Products Co.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK
Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS
Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. and "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
N. E. Cor 15th and Locust Sts., Phila.
Smith-Austermuhl Co.Camden, N. J.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co.5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Sterling, Joseph, South Merchantville, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co., Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES
Edwin Elliott Co.560 N. 16th St., Phila.

STELL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS
Smith-Austermuhl Co.Camden, N. J.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

VENEERS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD
Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING
Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

No Property Is Immune

to windstorm damage. No section of the country can claim, "The wind can never cause destruction here."

Insurance against destruction or damage occasioned by violent winds will add very little to your insurance budget, but add a great deal to the safety of your property investment.

Your agent can give you windstorm insurance in a reliable company.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



"ANTI-HYDRO" Keeps the Concrete Pits Dry in this "Spearmint" Factory

The concrete pits in this new Wrigley plant are permanently waterproofed with "ANTI-HYDRO," and as a result, they are always dry.

A one-inch cement plaster coat mixed with "ANTI-HYDRO" when applied on the inside of pits, walls and foundations keeps them absolutely dry against any head of water.

"ANTI-HYDRO" is extremely easy and economical to use. It is a liquid integral compound that mixes readily with the gauging water without the aid of skilled labor. It accelerates the set of cement and so enriches the concrete that the finishers' time is reduced to a minimum.

For 22 years "ANTI-HYDRO" has proved its economy and satisfaction on every type of concrete hardening and waterproofing work. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

PAUL J. DEVITT

BUILDERS' HARDWARE

1101, 1103, 1105 SO. SECOND STREET, PHILADELPHIA, PA.

PAUL J. DEVITT will open a branch store in the NEW ARCADE BUILDING, 69th and Market Streets, opposite the Terminal, on or about DECEMBER 4th, with a FULL LINE of BUILDERS' HARDWARE, TOOLS and kindred lines. We will maintain the same scale of low prices and quality of goods that we have always had in our down-town store.

WRITE FOR OUR BUILDER HARDWARE CATALOGUE

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 8
February 23, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED DETAILED
FABRICATED ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

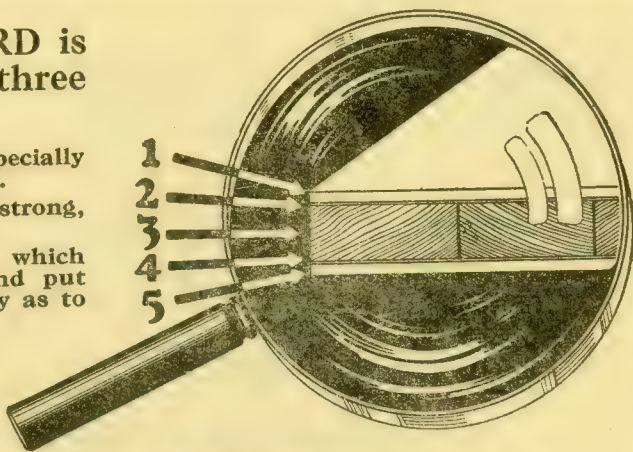
Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

The Fact—

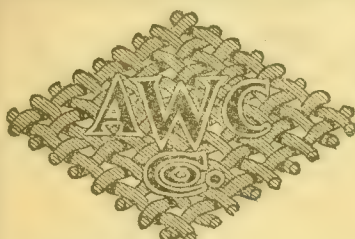
That after you place the contract,
you know it will be done right, and
on time, should be considered in
the price you pay.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. inc.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

**Phila. Building Materials Co.
JOHN F. DAKIN
Distributing Agents**

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

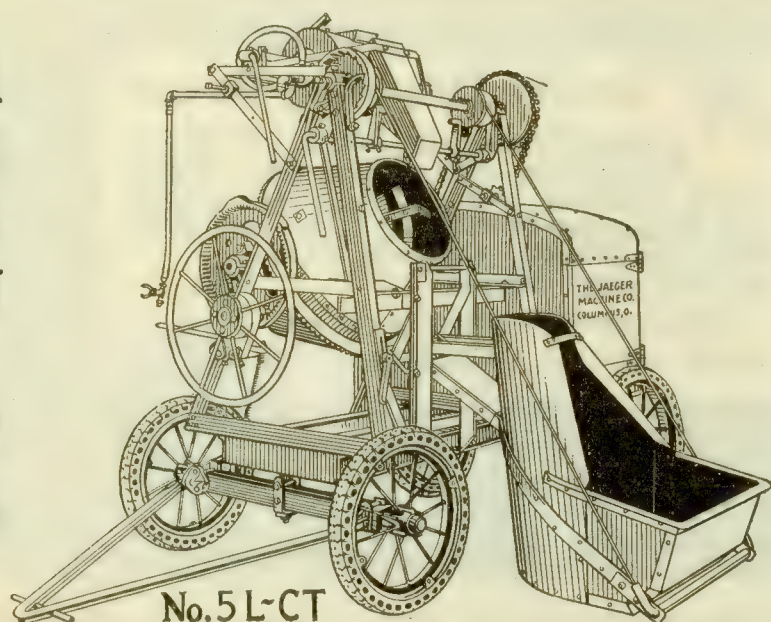
**FABRICATED STEEL
IRON BARS**

**RICHARD DeCOU CO.
Steel Warehouse**

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
SS
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BOTH PHONES:

BELL
Wood. 9640
9641
9642

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative

1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

**TRAY ELEVATORS AND LOWERATORS
CONVEYOR EQUIPMENT**

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

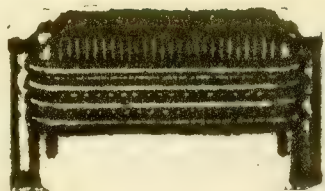
LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Go to **HENRY M. MILLER**

50 North 2nd Street



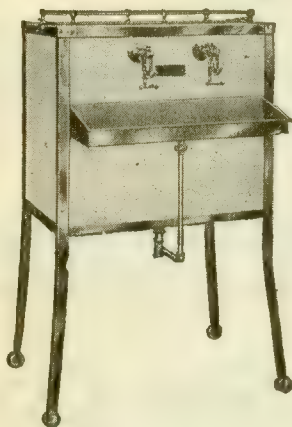
FOR

**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our showroom before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 8

PHILADELPHIA
February 23, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



THE WORKERS IN THE BUILDING INDUSTRY ARE INTERESTED IN SAFETY

BY ELMER SPAHR

*President, Pennsylvania State Conference
of the Bricklayers, Masons, and
Plasterers International
Union*

The fact that there has been a great increase in both fatal and non-fatal accidents in Building and Construction, while other industries have shown a decrease in accidents during the past year, might lead to the belief that the workers in the building trades were indifferent to safety and accident prevention. The very opposite is true. For many reasons the worker on building construction is very much concerned about preserving his life and keeping his limbs in good working order, for in no other line of employment is there so little use for a crippled or maimed employe. Then, too, there is always the physical pain and anguish accompanying an accident besides the financial loss to the worker, especially if he is a skilled mechanic.

The pittance provided for in our Workmen's Compensation Act is certainly no inducement for any one in the building trades to get into an accident and

take a vacation on his employer's compensation.

However, there are many reasons for this increase in accidents in building and construction, most of which are without justification; and the drive that is now being put on by the Department of Labor and Industry in this particular field of endeavor will disclose many flagrant violations of the State Regulations for Scaffolds as drawn by the Industrial Board of the Department of Labor and Industry.

The large majority of employers as well as employees do not know that there is such a thing as State Regulations for Scaffolds for their guidance in safe practice, which have been carefully worked out by a committee, composed of contractors, safety engineers and representatives of the workers in the various trades, which were adopted by the Industrial Board after a number of meetings in Philadelphia and Pittsburgh. A greater distribution of this booklet, "Regulations for Scaffolds" and compliance with its provisions would greatly reduce the accidents in this industry.

A great many new workers have entered into this kind of employment. In the trowel trades alone there has been

an increase of fifty per cent. in the last three years, and an influx of new workers always brings its additional quota of accidents.

The fact that 75 per cent. of the labor in the Construction Industry is performed on temporary flooring or scaffolding, makes for numerous accidents. Many of these temporary scaffolds are constructed with the thought of easy demolition and removal after they have served their purpose rather than the thought that they shall be substantial enough to carry their load of material and workmen.

On many small operations lumber is used that is absolutely unsuitable for scaffolds. Present-day lumber that is used for roof sheeting or sub-floors is not strong enough for bricklayers' or masons' scaffolds. But to save costs of drayage and lumber, this sheeting is very often used.

The use of elevators and material hoists of various types has also added to hazards and accident lists. In many instances the means provided to get from one floor to another virtually compels the worker to use the material elevator, even though it is contrary to law, and the elevator is so posted. Where there is no stairway, ladders should be placed

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

For Prices on CAULKING

or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

in such a manner, and be of such construction as to invite their use, so that the workman will not take a chance on a material hoist.

Many modern buildings have numerous openings in the floors for stairways, elevators, pipe shafts, and other uses. Few of these have guard rails, and when workmen remove the covers, few take the time to replace them.

Upturned nails in lumber stripped from concrete is another source of dangerous accident. No one seems to pay any particular attention to this menace until some one is injured, and then a general clean up is started.

A good, safe scaffold is a profitable investment and should be considered as such, for no man can render his best service when he must continually watch his footing and have his mind occupied with the defects of a poorly constructed scaffold instead of with the work he is performing.

The workers on building construction are interested in safety, but until recently nearly all of the time, thought, and inspection was confined to shop practice. At the last Safety Conference held by the Department of Labor and Industry, one speaker was assigned the subject—"Reducing Accidents on Construction Operations." This was a start. We would be pleased to have more of it.

Various signs and caution signals have been devised for the shop workers, but on a building the only sign is at the entrance—"DANGER KEEP OUT."

The workers would like better scaffolds; toe boards; guard rails; overhead protection; good ladders, so placed that they can be used readily; stairways that are lighted and clean; a receptacle for all kinds of refuse; clean and well-guarded floors; but these conditions on buildings are the rare exception and not the rule. To get them some one must be continually taking the matter up with the foreman or superintendent, and then that person is stamped as a "Chronic Kicker," and sometimes moved off the operation entirely.

Recently there were several construction operations where it was difficult to maintain a working force due to lack of safeguarding the workers. The workers, rather than complain or take a chance under the unsafe conditions, quit and sought employment elsewhere.

Safe practice in the building industry is a good investment, as is evidenced by the amount of work done by the employe, the class of men attracted to such

an operation, and the small labor turnover. The workers hope the beneficial results obtained by the Department of Labor and Industry during this special movement in the building industry will be of a permanent nature.

POOR AIR IN POOLS AND GYMS MENACE TO HEALTH

Famous Swimming Coach Says Better Ventilation Would Help Athletic Activity; Rickard Plans Chain of Arenas.

The greatest need of the American people today is more systematic exercise, more swimming pools and more gymnasiums, but most of all better air conditions to promote health and athletic work, William Bachrach, famous swimming coach of the Illinois Athletic Club, Chicago, declared.

Swinging the cudgels on swimming pools and gymnasiums which are poorly ventilated, Coach Bachrach said that many persons are discouraged from taking regular exercise and from more active participation in indoor sports because the air in these places is "disgusting, uncomfortable and slothful and constitutes a real menace."

"In spite of their interest in most of the major sports, professional and otherwise, the American people are becoming effete from the fact that they get little of the rugged, regular exercise so vital to good health and long life," Coach Bachrach continued. "I have been in the pools and gyms of many semi-public institutions and private clubs which have been either too hot or too cold while the odors have been so repulsive as to completely discourage anyone from attempting to play a favorite game or try a 'workout.' Improve the air conditions or proper ventilation of your pools and gymnasiums and you will increase your membership. Exercise in bad air is more harmful than good."

As the organizer and leader of swimming teams which have captured world trophies for years, Coach Bachrach has achieved an international reputation as a swimming expert. His team has been national champion for 13 years in the United States while the I. A. C. teams hold 98 per cent of the world's swimming records. Bachrach has personally taken these winning teams to Honolulu, London, Amsterdam, Vienna and other renowned places and held American honors against the world's greatest.

(Continued on page 127)

Good Work

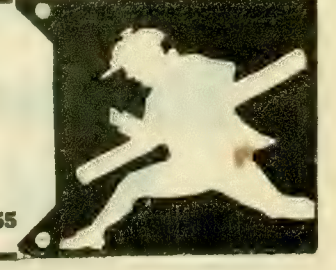
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence, Wissahickon avenue and McCallum street, Philadelphia. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, J. Mitchell Elliott, 1619 Chestnut street, Philadelphia. Cinder block, stucco, 2½ stories, 62x100 feet, hardwood floors, electric light, tile work. Plans in progress.

Residence Development, Drexel Park, Pa. Architect, W. Canby May, Wilmington, Del. Owners, Thomas Conway Corporation, 1500 Chestnut street, Philadelphia. Stone, stucco, brick, frame, various sizes and types. Plans in progress.

Apartment House, 4729 North Broad street, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, steel, limestone, 4 stories, 22-family. Plans in progress.

Bank Building, Kensington and Torresdale avenues, Philadelphia. Architect, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Fairhill Trust Co., Fifth and Allegheny avenue, Philadelphia. Brick, limestone, steel, 1 story and basement, 60x60 feet, slag roof, cement floors, steam heat, electric light, metal lath, ornamental iron work. Architects taking bids due February 28th, 3 P. M.

Building (alts.), 1704 Walnut street, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Fur & Millinery Shop, on premises. Hardware, brick work, stair work, cabinet work, carpentry and mill work, plastering, metal lath, iron work, concrete and cement work, oak floors, metal lath, tile and marble work, bulk windows, steel sash, cut stone, painting and glazing. Architects taking revised bids due as soon as possible.

Store Building, 4022 Lancaster avenue, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, steel, cut stone, 2 stories and basement, 40x136 feet, slag roof, maple, pine and cement floors, steam heat, electric light, metal lath, bond, ornamental iron work, integral waterproofing. Architect taking bids due February 24th.

Stores (20), 1309-11 Walnut street, Arcade to 1306-08 Sansom street. Owner, care of Mr. Arnold, Heyman & Brother, 213 South Broad street, Philadelphia. Brick, 2 stories, 18x22 feet, central heat, electric light, restaurant basement. Work contemplated.

Shallcross School for Boys, Buildings D and C, Byberry and Knights roads, Philadelphia. Owners, Board of Education, Nineteenth and Chestnut streets, Philadelphia. General construction. Various schools, gym equipment, refrigeration shelves, general repairs. Owners taking bids due March 1st.

Theatre (int. alts.), Broad street near Rockland street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Hunt's Theatre, W. S. Hunt, 1324 Vine street, Philadelphia. Architects taking bids due February 26th.

Theatre, Drexel Hill. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Company of America, 1916 Race street, Philadelphia. Brick, steel, 1 and 2 stories, 120x90 feet, slag roof, cement floors, steam heat, electric light, tile work, ornamental iron work. Architects taking sub-bids due February 25th.

Moving Picture Theatre, Bank and Store, Southeast Corner Germantown and Hunting Park avenues, Philadelphia. Architect, A. F. Gilbert, 358 Fifth avenue, New York. Owners, Moreh Realty Co., 1201 Chestnut street, Philadelphia. Brick, steel, limestone, 109x184 feet. Preliminary plans drawn. Working plans about to be started. Architect will take general bids.

Synagogue, Southwest Corner Fifty-second and Columbia avenue, Philadelphia. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owners, Congregation of Shaari Zedek, care of architect. Brick, steel, wood joint, 2 stories and balcony, 36x120 feet (electric, heating and plumbing reserved), tile work, wood deck composition floors, stone trim, maple or oak floors. Plans about completed. Architect will be ready for bids in one week.

Government Hospital, vicinity of Philadelphia, \$3,500,000. Owners, United States Government, General F. T. Hines, Director of Veterans' Bureau, Washington, D. C. Work contemplated.

Residences (34), Stores (2), Apartment Buildings (9), Wyalusing avenue, between Fifty-second and Fifty-third streets, Philadelphia. Architect, I. Demchick, 1701 Chestnut street, Philadelphia. Owner, Thomas J. Whelan, 1517 Pine street, Philadelphia. Brick, 2 stories, 15x40 feet, 18x60 feet, apartment

houses, 3 stories, 16x50 feet, slag roof, hardwood floors, metal ceilings, terra cotta, wire work, cast stone, hot water heat, electric light, metal lath, tile work. Owner and builder taking sub-bids due at once.

Apartment House, Northeast Corner Forty-second and Spruce streets, Philadelphia, \$500,000. Architect, J. S. Fuller, 5438 Locust street, Philadelphia. Owner, N. Litman, Forty-fifth and Pine streets, Philadelphia. Brick, steel, limestone, 4 stories, hot water heat, oil burning, electric light, tile and marble work, metal lath, kalamein doors, iron stairs, ornamental iron work, brass pipe, slag roof, hardwood floors, elevators, roof ventilators, metal weather strip, waterproofing, terra cotta, wire work, cast stone. Plans in progress. Owner will take sub-bids due March 1st.

Chapel and School, Sanger street and Roosevelt Boulevard, facing Oxford Circle, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Martin of Tours, Rev. J. P. McHugh, on premises. Stone, 3 stories and basement, 140x94 feet, steam heat, slag roof, electric light. Architect taking bids due March 2nd at 1 P. M.

Residences (30), Charles and Comly streets, Philadelphia. Architect, private plans. Owners, Brinkman & Hoover, Inc., 2617 Frankford avenue, Philadelphia. Brick, 2 stories and basement, 16x38 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, ornamental iron work. Owners taking bids.

Residences (44), Third, between Ellis and Colwyn avenue, Philadelphia. Architect, private plans. Owner, Louis Davidson, 5500 Baltimore avenue, Philadelphia. Brick, 2 stories, 15x43 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, enclosed porches, garages in basement, cement work, metal lath. Kayser & Pepper, 1515 South Ringgold street, Philadelphia, will build and will take sub-bids.

Residences (20), Twenty-first and Melrose avenue, Philadelphia. Owner, L. Davidson, Franklin Trust Building, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and cement floors, hot water heat, electric light, metal lath, tile work, basement garages. Owner will build. Work to start in the middle of March.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

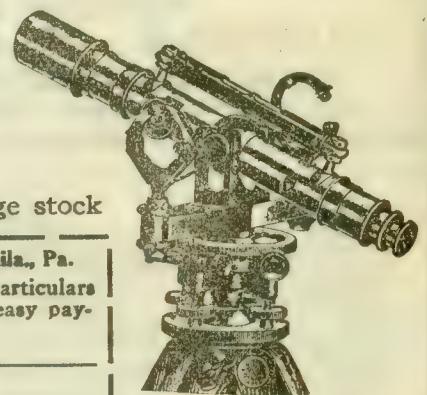
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars about the Weilco Level and your easy payment plan.
Name _____
Address _____



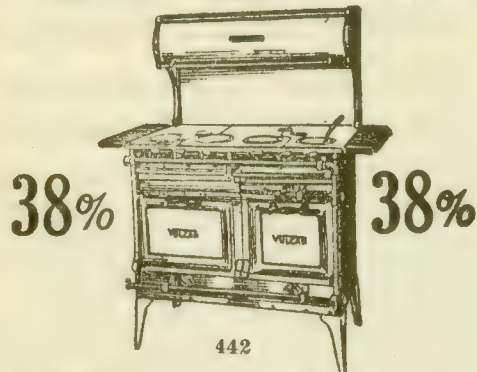
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

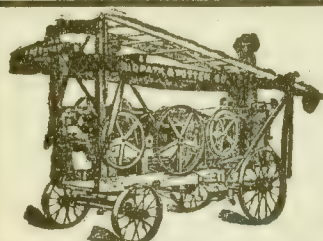
VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.

22nd & Cambria Sts.
Phila. Pa.



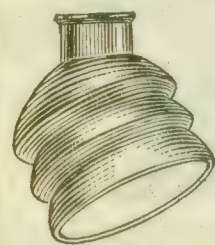
You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.

2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Residences and Garages (49), Stores (2), Sheridan, between Johnson and Bigelow streets, Philadelphia. Owner, William L. Jones, 2860 South Fifteenth street, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Warehouse and Service Station, Southwest Corner Twenty-third and Wood streets, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, J. J. Greenburg, Morris Building, Philadelphia. Lessees, Firestone Tire & Rubber Co., 2401 Chestnut street, Phila. Brick, reinforced concrete, granite, 4 stories and basement, 170x100 feet, slag roof, cement floors, hollow tile, elevators, plumbing, steam heat, electric light, metal lath, tile and marble and terrazzo work, rolled steel sash, Peele fire doors and kalamein doors, waterproofing, architectural terra cotta, ornamental iron work, painting and glazing, steel toilet partitions, sprinklers, ash hoist, Keranuk treatment, dumb waiter, tin-clad doors. Architect taking bids due February 24th.

School, Forty-first and Brown streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 213x104 feet, slag roof (plumbing, heating, electric, ventilating separate), maple and cement floors, metal lath, rolled steel sash, bond, ornamental iron work, Parlock waterproofing, dampproofing. Owners taking bids due March 1st.

Factory, 709-11 North Second street, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Dura-Bilt Upholstered Furniture Co., on premises. Brick, steel, 3 stories, 60x115 feet, slag roof, maple floors, steam heat, oil burning, electric light, plumbing, metal ceilings, dumb waiter, rolled steel sash. Owners taking bids due as soon as possible.

Residence, Coulter street, Germantown, Philadelphia. Architect, Paul M. Hesser, 225 South Sixth street, Philadelphia. Owner, Jacob Knup, care of architect. Stone, 2½ stories and basement, 32x66 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids due March 1st at noon.

Demolition and Removal of Building No. 2, Sesqui-Centennial Grounds. Owners, Sesqui-Centennial Exposition, Chief Engineer, Broad and Oregon avenue, Philadelphia. Owners taking bids due March 1st at noon.

Pennsylvania Railroad, Contract No. 26. Owners, Pennsylvania Railroad Co., C. E. Walsh, Seventeenth and Filbert streets, Phila-

delphia. Owners taking bids due February 28th at noon. Switches and crossings.

Bridge, Fifth and Hunting Park avenue, over North Pennsylvania Railroad. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Low bidder: Robbins Cont. Co., 1137 North Front street, Philadelphia, \$88,760.

Residences and Garages (6), 800-10 East Phil-Elena street, Philadelphia, \$60,000. Architect, private plans. Owners, Johnson & Talley, Germantown and Cheltenham avenues, Philadelphia. Stone, 3 stories, 17x50 feet, hot water heat, electric light, hardwood, pine and cement floors, garages, 1 story, 19x19 feet. Permit issued.

Residences (10), South side Bridge street, West of Horrocks street, Philadelphia, \$40,000. Architect, private plans. Owners, Smith, McGowan & Donnelly, 813 East Allegheny avenue, Philadelphia. Brick, 2 stories, 15x28 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (61), Tilden street, East of Conrad street, Philadelphia, \$234,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 15x24 feet, 10x7 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Factory (add.), North side Hope street, South of Thompson street, \$16,000. Architect, private plans. Owners, E. J. Spangler Co., 1237 North Howard street, Philadelphia. Brick, 2 stories add., 107 feet 8 inches x 50 feet 6 inches, add. Permit issued.

Garage (add.), 122 East Hortter street, Philadelphia, \$2,000. Architect, private plans. Owner, Henry Kendrick, on premises. Brick, 1 story add., 60x60 feet, slag roof, cement floors, electric light. Permit issued.

Residences (35), East side Dittman street, North of Levick street, \$201,500. Architect, private plans. Owner, Frank Storck, 426 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (39), East side Hope street, North of Grange street, \$166,200. Architect, private plans. Owner, Charles F. Hudson, 2022 South Sixty-seventh street, Philadelphia. Brick, 2 stories, 15x36 feet, 12x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (32), Smedley street, North of Pine street, Philadelphia, \$146,500. Architect, private plans. Owners, Goldstein Brothers, 1959 North Fifty-second street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Warehouse, Southeast Corner Garden and Bridge streets, Philadelphia, \$5,000. Architect, private plans. Owner, George A. Sinn, on premises. Iron on iron, 1 story, 28x100 feet. Permit issued.

Residences (8), South side Howarth street, East of Walker street, \$40,000. Architect, private plans. Owner, William H. Yelland, 1330 Harrison street, Philadelphia. Brick, 2 stories, 17x30 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Moving Picture Theatre (add.), 1028-30-32 Fairmount avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Mayer Milgrim, 2216 South street, Philadelphia. Brick, 1 story add., 50 feet 6 inches x 31 feet 5 inches. Permit issued.

Residences (15), South side Fisher's avenue, West of Howard street, Philadelphia, \$62,600. Architect, private plans. Owner, James A. MacCorkell, 431 East Wister street, Philadelphia. Brick, 2 stories, 15x27 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (27), West side Neilson street, South of Bristol street, Philadelphia, \$81,500. Architect, private plans. Owner, Max Chipin, 5701 North Seventeenth street, Philadelphia. Brick, 2 stories, 15x27 feet 6 inches, 11 feet 6 inches x 11 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), South side Gorgas lane, East of Gorstin street, Philadelphia, \$40,000. Architect, private plans. Owner, Raymond G. Riling, 1425 West Venango street, Philadelphia. Stone, 2 stories, 25x37 feet, 21x18 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, Northeast Corner Harrison and Rutland streets, Philadelphia, \$8,000. Architect, private plans. Owner, Harold S. Swope, 5028 Frankford avenue, Philadelphia. Brick, 3 stories, 23x43 feet, hot water heat, electric light. Permit issued.

Miscellaneous Sewer Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Duval street, Musgrave to Ross, P. & A. J. Ellis, Fourth and Courtland streets, Philadelphia, \$8,409.50. Southampton avenue, Ardleigh to Germantown, Edward F. Bennis, Washington lane, East of Chew street, \$6,265.60. Willing street, Rowland to Sackett, Fred T. Buckius, Kensington avenue and Deal street, \$3,750. Cheltenham, Rising Sun to Colgate, W. H. Yetman, Lincoln Building, Philadelphia, \$5,460. Miller, Venango to Pickwick, A. Matteo, 748 South Tenth street, Philadelphia, \$3,227.75. Rosalie street, Aramingo to Dittman, Joseph Moss, 1652 Wakeling street, Philadelphia, \$2,519.79. Torresdale, to Tulip street, Perna Engr. & Const. Co., 739 South Eighth street, Philadelphia, \$4,435.95. Messer street, Venango to Pickwick, A. Matteo, 748 South Tenth street, Philadelphia, \$3,401.50. Calumet, Power to Warden Drive, A. Carrodo, care of owner, \$7,634. Sears street, Seventh to Eighth street, C. G. Centrone, Bailey Building, Philadelphia, \$3,695. Sixty-fifth avenue, from Fifteenth to Sixteenth, E. F. Bennis, Washington lane and Chew street, \$5,222.60. Sanger, Large to Oxford street, Fred T. Buckius, Kensington avenue and Deal, \$3,436. Friley, Dittman to Tulip, Perna Engr. & Const. Co., 739 S. 8th St., \$43,931.45. Cottman, Sackett to Battersby, Perna Engr. & Const. Co., 739 South Eighth street, \$14,370.

Englewood, Roland to Sackett, Perna Engr. & Const. Co., 739 South Eighth street, \$4,148. Jackson, Bridge to Brill, J. J. McHugh, 1617 Race street, Philadelphia, \$3,440.75. Lawnton, Leverington to Conarroe, P. & A. J. Ellis, Fourth and Courtland streets, \$28,850.80. Livingston, Venango to Pickwick, A. Matteo, 748 South Tenth street, Philadelphia, \$3,072.70.

Office (add.), 5219-21 Chestnut street, Phila., \$15,000. Architect, private plans. Owner, Joseph K. Marshall, 8 S. 52nd street, Phila. Brick, 3 story addition, 41x100, slag roof, electric work. Permit issued.

Residence (add.), 208 Rex Avenue, Phila., \$4,000. Architect and owner, H. Louis Duh-ring, 1309 Locust street, Phila. Concrete block, 1 story addition, 22x50 feet. Permit issued.

Residence, 818 E. Tioga street, Phila., \$3,500. Architect, private plans. Owner, George L. Fisher, 601 E. Willard street, Phila. Brick, 2 stories, 15x24 feet, 12x15 feet, pine floors, hot water heat, electric light. Permit issued.

Residences (30), Lorretto and Alocett Sts., Phila. Architect, E. Allen Wilson, 1208 Chestnut street, Phila. Owner, J. Snyder, 4th and Nedro avenue, Phila. Stone, 2½ stories, 16x42 feet, shingle roof, hardwood floors, basement garages, hot water heat, electric light, tile work. Owner taking sub-bids.

Hospital Building, 49th and Market streets, Phila. Architect, Arthur H. Brockie, 254 S. 15th street, Phila. Owners, Pennsylvania Hospital, 49th and Market streets, Dr. O. Coop. Plans in progress.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 15, 1927. Sealed bids will be opened in this office at 3 P. M., March 22, 1927, for the construction of the United States Post Office at Montclair, N. J. Drawings and specifications may be obtained from the Custodian of the Site at Montclair, N. J., or at this office, in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

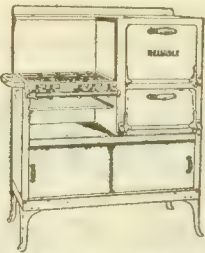
All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19

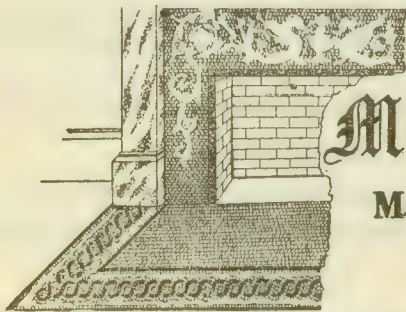
THERE IS ONLY ONE IN-A-
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertainty
of cement floor finish. Furnished in crystals
the job. This results in economy. For further

**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



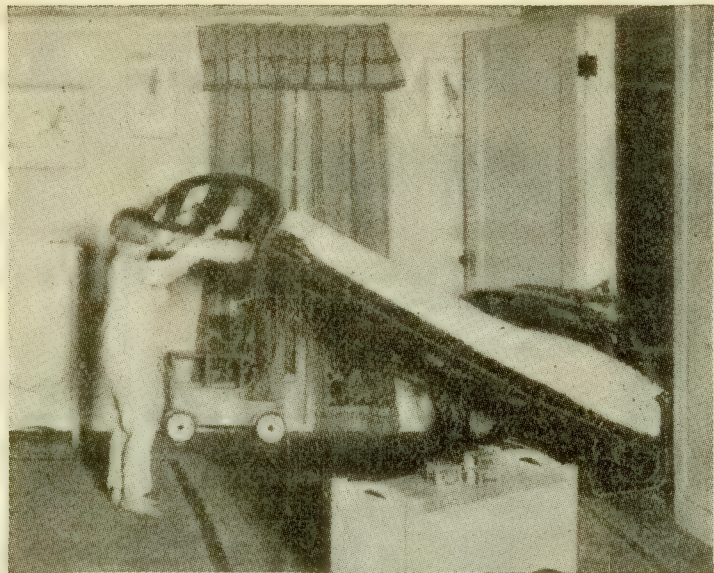
BEDS

mes
ings

call at our
in kitchen
boards as
beds

CO.

Building
44th Street
York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



Instead of Leaky Shower Bath Curtains **LEHMAN SPRAYSHIELDS**

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation.

Designed Right
Priced Right

L. H. LEHMAN
1210 North 8th Street
PHILADELPHIA

*"Don't Bathe
In a Tent"*

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

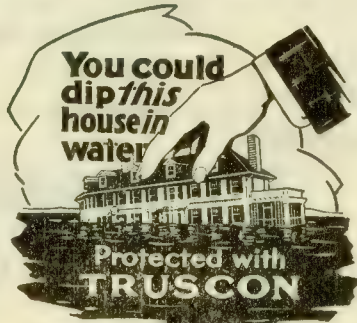
Keystone—Main 5145

EMPERITE

m Freezing

s to time for first trowelling
rm, all water being added at
formation, ask

e Truscon
poratories



Phila. Office :
1505 Race Street

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

BELZ-PARR, INC.**Architectural
Cast Cut Stone
Department****GRANITE
LIMESTONE
GRAYSTONE**

Office and Factory

344 Haddon Avenue**WESTMONT, N. J.**

Bell, Collingswood 1788

MITCHELL BROS.**Carpenters, Builders and Contractors
2125 Race St., Phila.**

Bell, Rittenhouse 4603 Keystone, Race 6062

**TRIDENT
WATER METERS**

For New and Old Properties

**PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia****Reinforced Concrete
and Cement Work**Get our estimate first on
"THAT CEMENT JOB"**FREDERICK MASSIAH****S. E. Cor. Juniper and Cypress Sts.**Bell Phone—Walnut 4165
Keystone Phone—Race 3760**PHILADELPHIA****EXPERT BLASTING****J. H. HARDING****10 N. 2d St. Camden, N. J.**

Bell Telephone : Camden 5994 W

Contracts Awarded**Scope of Contract and Successful Bidders; "Inside" Information for the Material Man
and Interior and Exterior Fitter.**

Bank and Office Building, Southeast Corner Seventeenth and Chestnut streets, Philadelphia. Architects, Rankin, Kellog & Crane, 1805 Walnut street. Associate architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owners, Provident Trust Co., 409 Chestnut street, Philadelphia. Reinforced concrete, brick, steel, cut stone, 13 stories and basement and mezzanine, 145x60 feet, slag and tile roof, cement floors, hollow tile, Raynor safety clips, shoring, waterproofing, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, bond, iron stairs, ornamental iron work, acoustics, linoleum floors, architectural terra cotta, rolled steel partitions. Contract awarded Turner Const. Co., 1700 Walnut street, Philadelphia.

Alterations, 3624 Germantown avenue, Philadelphia. Architect, private plans. Owner, Dr. Walter L. Sliser, Broad and Northeast Boulevard, Philadelphia. Lessee, N. J. Mutchuick, on premises. Copper store fronts, plate glass, metal ceilings, oak and pine floors, skylights, refrigerator, plastering, metal lath, marble and tile work. Contract awarded Penn Building Co., Haines and Ardleigh streets, Philadelphia.

Hall (alts. and add.), Northeast Corner Columbia and Marsden street, \$20,000. Architect, private plans. Owners, Shemtor Co., 605 Lincoln Building, Philadelphia. Plumbing reserved. Metal lath, metal ceilings, wire work, general alterations to enlarging hall. Contract awarded L. Glanzberg, 1769 Georges lane, Philadelphia, who is taking sub-bids due as soon as possible.

Apartment House, Southeast Corner Sixty-third and Walnut streets, Philadelphia, \$1,500,000. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owner, L. M. Lifter, Jefferson Building, Philadelphia. Brick, stone, fireproof, 9 stories, 219 apartments, steam heat, oil burning, electric light, tile and marble work, hardwood floors, 4 elevators. Contract awarded R. P. Witty, Washington, D. C., who is taking sub-bids due as soon as possible.

School (alts. and add.), Southeast Corner Third and Fitzwater streets, Philadelphia. Architect, S. J. Laschenski, Harrison Building, Philadelphia. Owner, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Brick, steel, 3 stories and basement, 30x68 feet (plumbing, heating, lighting reserved), slag roof, maple floors, ornamental iron work. Contract awarded Knox Landers, 1132 Vine street, Philadelphia. Plumbing and heating, J. Adams, 2416 Orthodox street, Philadelphia. Electric, Active Electric Contractors, 2732 East Allegheny avenue.

Manufacturing Building, Krams avenue, East of Pechin street, \$40,000. Architect, private plans. Owners, Collins & Aikman Co., Fifty-first and Viola streets, Philadelphia. Concrete and brick, 4 stories, 50 feet 7 inches x 44 feet. Contract awarded to Turner Const. Co., 1700 Walnut street, Philadelphia.

Residence, Northeast Corner Gorgas lane and Milton street, Philadelphia, \$14,600. Ar-

chitect, private plans. Owner, Ida A. Waldman, 3948 North Sixth street, Philadelphia. Stone, 3 stories, 27x40 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Chancellor Day, 3504 Rhawn street, Philadelphia.

Office (add. and alts.), 1903-07 East Hagert street, Philadelphia, \$7,000. Architect, private plans. Owners, Mears, Kane & Ofeldt, Inc., on premises. Brick, third story add., 14x30 feet, general alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence (add. and alts.), 629 North Fortieth street, Philadelphia, \$6,000. Architect, private plans. Owner, M. Porolsky, 629 North Fortieth street, Philadelphia. Brick, 3 stories add., 13x17 feet 6 inches, general alterations. Contract awarded to Joseph Sweet, 2549 North Spangler street, Philadelphia.

Building (repairs), 1012-18 Filbert street, Philadelphia, \$3,000. Architect, private plans. Owners, Fidelity-Philadelphia Trust Co., 413 Chestnut street, Philadelphia. General fire repairs. Contract awarded to W. L. Burton, 2723 Sedgley avenue, Philadelphia.

Soap Factory (add.), Southeast Corner Sepviva and Erie avenue, \$2,500. Architect, private plans. Owners, Hurlburt Oil & Grease Co., on premises. Brick, 1 story add., 31 feet 6 inches x 40 feet 7 inches. Contract awarded to C. C. Clardy, 5917 Race street, Philadelphia.

Recreation Building, North side Meadowbrook lane, West of Stenton avenue, \$2,500. Owner, Charles W. Stock, Meadowbrook lane, Philadelphia. Cinder block, 1 story, 18x24 feet. Contract awarded to Charles Johnson, 450 Church lane, Philadelphia.

Residence (add. and alts.), South side School lane, West of Henry avenue, Philadelphia, \$40,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owner, Percy C. Madeira, West School lane, Germantown, Philadelphia. General alterations and addition. Contract awarded to H. H. Burrell & Son, 206 South Juniper street, Philadelphia.

Garage (alts.), 2028-30-32 Sansom street, Philadelphia, \$4,600. Architect, private plans. Owners, Casanave Supply Co., 1935 Market street, Philadelphia. General alterations. Contract awarded to Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Residence (alts.), 611 South Tenth street, Philadelphia, \$2,000. Architect, private plans. Owner, John Del Vecchio, 612 Delhi street, Philadelphia. General alterations. Contract awarded to Seurci & Macrane, 732 South Seventh street, Philadelphia.

Store and Shop (add.), 3244 North Front street, Philadelphia, \$2,000. Architect, private plans. Owner, John Wright, Avalon, N. J. Brick, 1 story add., 18x18 feet. Contract awarded to Joseph McNulty, 151 East Allegheny avenue, Philadelphia.

Warehouse, East side Bonsall street, North of Race street, Philadelphia, \$27,500. Archi-

CHAPMAN SLATE CO.**BETHLEHEM, PA.****ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate****Radiator Cabinet Company**

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building**Philadelphia**

Lombard 4900

teet, private plans. Owners, Pennsylvania Warehousing & Safe Deposit Co., on premises. Brick, 1 story, 75x110 feet. Contract awarded to U. G. I. Cont. Co., Broad and Arch streets, Philadelphia.

Coal Pockets, Southwest Corner Bridge street and Delaware River, \$10,000. Architect, private plans. Owner, George A. Sinn Co., Inc., on premises. Contract awarded to Specialty Eng. Co., Trenton and Allegheny avenues, Phila.

Storage Building, North side Olney avenue, East of Front street, Philadelphia, \$9,000. Architect, private plans. Owners, Hemtz Mfg. Co., Front and Olney avenue, Philadelphia. Brick, 1 story, irregular size. Contract awarded to William F. Newbery Co., Otis Building, Philadelphia.

Shop, 843-45 Cameron street, Philadelphia, \$5,000. Architect, private plans. Owner, Adolph Christensen, 1433 Brown street, Philadelphia. Brick, 2 stories, 30x22 feet, 30x18 feet. Contract awarded to Rumpf & Kohlmeyer, 1629 Wyoming street, Philadelphia.

Residence and Store (add.), 140 South Eleventh street, Philadelphia, \$3,600. Architect, private plans. Owners, Chesterman & Stechter, 140 South Eleventh street, Philadelphia. Brick, 1 story add., 8x15 feet. Contract awarded to Stewart Brothers Co., 2526 North Orkney street, Philadelphia.

Service Station, Northeast Corner Frankford and Glenwood avenues, Philadelphia, \$3,500. Architect, private plans. Owner, Harry Lipschutz, 5021 North Broad street, Philadelphia. Brick, 1 story, 15x14 feet. Contract awarded to A. Raymond Raff Cont. Co., 1635 Thompson street.

Store (alts.), 1100 Chestnut street, Philadelphia, \$3,000. Architect, private plans. Owners, Wise Shoe Co., 121 Duane street, New York. General alterations. Contract awarded to Elias Rothschild & Co., Inc., 342 Madison avenue, New York.

Boiler Room (add.), East side C street, North of Ontario street, \$2,200. Architect, private plans. Owners, Philadelphia Storage Battery Co., on premises. Brick, 1 story add., 38x14 feet. Contract awarded to Stewart Brothers, 2526 North Orkney street, Philadelphia.

Fatcory (add.), 25th and Fox streets, Phila. Architect, Clarence E. Wunder, 1520 Locust street, Phila. Owners, Rosenau Brothers, on premises. Brick, cast stone, steel, 2 stories and basement, 75x75 feet, slag roof, cement floors, elevators, metal window guards, kitchen equipment, dumbwaiters, dampproofing, ornamental iron work, iron stairs, bond, fire and kalemein doors, rolled steel sash, hollow metal sash, tile work. Contract awarded E. E. Hollenbach, 1910 N. Marshall street, Phila.

Museum (add.), 34th and Spruce streets, Phila. Architects, Day & Klauder, Franklin Bank Bldg., Stewardson & Page, 315 S. 15th street, Wilson, Eyre & McIlvaine, 1003 Spruce street. Owner, University of Penna., 34th and Spruce streets, Phila. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 200x50 feet, slate roof, cement and pine floors, hollow tile, metal lath, tile and marble work, kalemein doors, bond, ornamental iron work, blue stone, area gratings. Contract awarded Jacob Myers Co., 5100 Lancaster Ave., Phila.

Pennsylvania Construction News

Residence, Narberth, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, E. C. Drew, care of architect. Frame, 2 stories, 35x47 feet. Plans in progress.

Club House, West Eagle road, Oakmont, Pa. Owners, Women's Club, Oakmont, E. J. Lyons, president, Oakmont, Pa. Site, 100x225 feet. Work contemplated.

Residence, Wallingford, Pa. Architect, E. Kenny Crothers, Media, Pa. Owner, J. Watts Mercur, Wallingford, Pa. Stone, 2½ stories. Plans in progress. Too early for details.

Office Building, Upper Darby, Pa. Architects, Tunis & Baker, 1600 Arch street, Philadelphia. Owners, Delaware County Real Estate Board, W. A. Loomes, Upper Darby, Pa. Architect selected. Plans in progress.

Township Building, Ogontz, Pa. Architects, Thomas, Martin & Kirkpatrick, Cunard Building, Philadelphia. Owners, Commissioners of Cheltenham Township, Ralph Morgan, Wyncote, Pa. Brick, stone, steel, concrete, 2 stories. Preliminary plans in progress.

Publishing House, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Globe-Times Co., H. Farquahr, Broadhead and Fourth streets, Bethlehem, Pa. Fireproof, 2 stories and basement, 167x56 feet, slag roof, reinforced concrete and mezzanine floors, hollow tile, roof ventilators, metal window guards, metal weather strip, waterproofing and dampproofing, vault, vault doors, Indiana limestone, ornamental iron, iron stairs, bond, fire doors, skylights, steel sash, tile and marble, metal lath, vapor heat, electric light. Plans in progress.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Steckle Motor Co., care of architects. Brick, steel, 1 story, 80x110 feet, built-up roof, concrete floors, roof ventilators, flagstone, cast stone, floor hardener, rolled steel sash, steam heat, electric light. Plans in progress.

Junior High School (add.), Market street, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Marcus Hook, Pa. Brick, steel, addition 8 class rooms, auditorium and gym. Plans about completed. Owners will be ready for bids in two weeks.

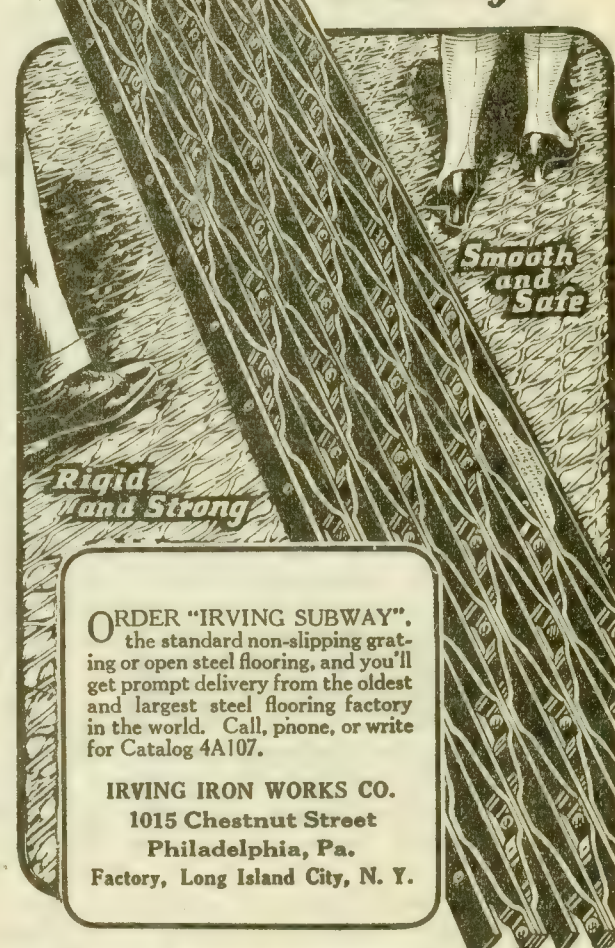
Garage and Show Room, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Klein Motor Co., Main Boulevard and Walbert avenue, Allentown, Pa. Brick, steel, 2 stories, 80x128

feet, slag roof, concrete and tile floors, hollow tile, elevators, roof ventilators, waterproofing, cast stone, ornamental iron, fire doors, steel sash, tile work (heating, plumbing and electric reserved). Owners ready for bids.

School (add.), Salisbury Township, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Salisbury Township School Board, care of architects. Brick, 2 stories, 35x70 feet, built-up roof, maple floors, safety treads, iron stairs, bond (heating, plumbing and electric separate). Architects will take bids March 1st.

Residences (2), Church street, West of Bridge, Oakview, Delaware County, \$4,000 each. Architect, private plans. Owner, Wil-

Always-When You Need Gratings —

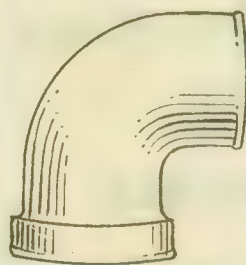


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING SUBWAY FLOORING

Clausen Service —



It is efficient every working day of the year. Get in the habit of buying your

TERRA COTTA SEWER PIPE FLUE LINING WALL COPING

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Dan D. Merkins, 418 Ridley avenue, Folsom, Pa. Stone, brick, 2½ stories, 16x36 feet, hardwood floors, hot water heat, electric light, metal lath, tile work, terra cotta, wire work. Owner taking sub-bids due as soon as possible.

Stores and Apartments (2), Harding drive and Township line, Llanerch Hills, Delaware County, Pa., \$13,000. Architect, private plans. Owner, Julius Berman, 5924 Market street, Philadelphia. Stone, brick, 2 stories, 17x46 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, store fixtures, metal ceilings, terra cotta, wire work. Owner taking sub-bids due as soon as possible.

Gas Filling Station, Tank and Equipment, Garrett road and Market street, Drexel Hill, Pa., \$7,500. Owners, Sun Oil Co., Mr. Courtney, Finance Building, Philadelphia. Brick, 1 story, 14x14 feet, three 1000-gallon tanks, cement floors, slag roof. Owners building. Ready for sub-bids in two weeks.

Theatre, Norwood, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, Marcus A. Benn, Sixty-fifth and Woodland avenue, Philadelphia. Brick, stucco, 1 and 2 stories, 118x83 feet, wing 61x62 feet, composition roof, cement floors, steam heat, electric light, metal lath, tile work, ornamental iron work, bronze work. Architects taking sub-bids due February 25th.

Residence and Garage, Elkins Park, Pa. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, L. Grotenfend, care of architects. Brick, 2½ stories, 24x38 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Ready for bids in two weeks.

Residence, Rosemont, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, name withheld. Brick, 2½ stories, 1½ stories and basement, 40x20 feet, wing 16x12 feet, garage 16x16 feet, shingle and slag roof, oak and pine floors, tile work, bond, ornamental iron work, rubber floors. Architect taking bids due February 26th.

Residence (add.), Easton, Pa. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, Charles Chipner, care of architect. Brick, slate roof, hardwood floors, electric light, tile work. Architect taking bids due February 28th.

Residence, Wallingford, Pa., \$60,000. Architect, E. Kenny Crothers, Media, Pa. Owner, Mrs. Beatty, care of architect. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Architect taking bids due February 28th.

Residence and Garage, Greenfield, near Reading, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, W. Y. Landis, care of architect. Stone, 2½ stories, 53x64 feet, garage and living

quarters, stone, 2 stories, 33x80 feet, slate roof, hardwood and cement floors, vapor heat, electric light, tile and marble work. Architects taking bids due March 3rd.

Church, Jessup, Pa. Architect, Fred J. Schwarz, 233 Broadway, New York City. Owners, St. James' Roman Catholic Church, Jessup, Pa. Brick, steel, concrete, cast stone, 2 stories and basement, 107x56 feet, slag roof, pine floors, electric light, metal lath, architectural terra cotta, ornamental iron work. Architect taking bids due February 24th.

Apartment House, Narberth, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, H. J. Aungst, Fifty-second and Sansom streets, Philadelphia. Brick, steel, 2 stories and basement, slag roof, oak and pine floors. Architects taking bids due as soon as possible.

Dormitories, Collegeville, Pa. Architect, Frank R. Watson, 1211 Walnut street, Philadelphia. Owners, Ursinus College, Mr. Yost, Collegeville, Pa. Owners taking bids due March 2nd.

Arcade Building, Containing 27 Stores, Offices, Underground Garage for 100 Cars, Lancaster pike to Athens avenue, Ardmore, Pa. Architect, private plans. Owner, James Lyons, 44 West Lancaster avenue, Ardmore, Pa. Brick, 4 stories, 1 story, 38x50x80 feet, slag and concrete roof, plumbing, elevators, steam heat, electric light, tile and marble work, metal lath, plate glass. Owner taking bids.

Bank Building, West Chester pike and Coplay road, Upper Darby, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Media Title & Trust Co., F. Rhoads, Media, Pa. Stone, limestone, steel, concrete, 3 stories (provision for 6 stories), 80x97 feet, V-shape. Plans in progress. (Note architect.)

Contract No. 5, Chester, Pa. City engineers, Chester, Barker & Wheeler, 36 State street, Albany, N. Y. Owners, City of Chester, Pa. Low bidder, R. D. Wood & Son, 400 Chestnut street, Philadelphia.

Steam Distributing System, Auxiliary, Etc., and Pipe Tunnel, Laurelton, Pa. Engineers, Stewart A. Jellet Co., 1200 Locust street, Philadelphia. Owners, Laurelton State Village, Laurelton, Pa. Deposit, \$10, refunded. Bond and certified check, 5 per cent. Owners taking bids due March 5th, 10.30 A. M.

Glen Riddle Bridge No. 6, over Chester Creek, Hibbard Bridge No. 21, over West Branch Chester Creek, in Concord Township. County engineer, S. C. Hollister, Media, Pa. Owners, Delaware County, George T. Wades, Media, Pa. Deposit, \$5 each set, refunded. Certified check, \$2,500 each bridge. Owners taking bids due March 1st, 11 A. M. Glen Riddle—2 60-foot reinforced concrete girder spans, 20-foot roadway, 6-foot sidewalks. Hibbard Bridge—

60-foot reinforced concrete span, 20-foot roadway, 6-foot sidewalk.

Sewer, Ridley Park, Pa. Architects, Damon & Foster, 6932 West Chester pike, Upper Darby, Pa. Owners, Borough of Ridley Park, N. E. Hoopman, Ridley Park, Pa. Construct 8-foot terra cotta pipe sewers on McCormick avenue. Certified check, \$100. Owners taking bids due March 8th, 8 P. M.

Bridge, over Schuylkill River, Blackrock, near Koyersford, Pa. Engineers, Ellin & Cressman, Norristown, Pa. Owners, Chester and Montgomery Counties, West Chester, Pa. Owners taking bids due February 28th.

Bridge, Cobb's Creek, Sixty-third and Pine street, Philadelphia, and Powell lane, Upper Darby, Delaware County, Pa., \$400,000. Owners, County Commissioners of Delaware County, Media, and Commissioners of Philadelphia County, City Hall, Philadelphia. Concrete. Preliminary plans in progress. Work contemplated.

Bridge, North Wales, Pa. Engineer, Warren S. Cressman, Norristown, Pa. Owners, Commissioners of Montgomery County, Norristown, Pa. Owners taking bids due March 9th.

Bridge, over Darby Creek, between Clifton Heights and Oakview, Pa., \$115,000. County engineer, George Wright, Upper Darby Township, Pa. Owners, Borough of Upper Darby, Pa. Sketches drawn. Work contemplated.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, James L. Stuart, secretary, Harrisburg, Pa. Owners taking bids due March 4th at 10 A. M.

Berks County, R-146, Sec. 2, Mt. Penn Borough, 1,680 feet. One course reinforced concrete. Certified check, \$500.

Berks County, R-149, Heidelberg Township, 850 feet. One course reinforced concrete. Certified check, \$500.

Berks County, R-518, Sec. 1, A-3952, Cumru Township, 19,872 feet. One course reinforced concrete. Certified check, \$2,500.

Berks County, A-4426, Longswamp Township, 13,221 feet. One course reinforced concrete. Certified check, \$2,000.

Berks County, A-4428, Tulpehocken and Bethel Townships, 11,650 feet. One course reinforced concrete. Certified check, \$2,000.

Carbon County, R-510, Sec. 2, A-4448, Summit Hill Borough, 4,043 feet. One course reinforced concrete. Certified check, \$1,000.

Fayette County, R-118, Sec. 2, Bellevue Borough, 1,910 feet. One course reinforced concrete. Certified check, \$1,000.

Luzerne County, A-2188, Kingston Township, 6,406 feet. One course reinforced concrete. Certified check, \$1,500.

Mercer County, R-74, Lackawannock, Jefferson and Hickory Townships, 34,368 feet. One course reinforced concrete. Certified check, \$4,000.

Northampton County, R-471, A-4164, East Allen and Moore Townships, Bath Borough, 20,737 feet. One course reinforced concrete. Certified check, \$2,500.

Northampton County, A-4475, Lower Mt. Bethel Township, 22,353 feet. One course reinforced concrete. Certified check, \$2,500.

Washington County, R-115, Sec. 4, A-4272, Smith Township, 11,142 feet. One course reinforced concrete. Certified check, \$2,000.

School (Roosevelt), Marshall, Zelma and Forest Ave., Norristown. Washington School (add.), Norristown, Pa. Architect, Oliver

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron Gates and Fencing, Pipe Work of all Kinds—Bent and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

Randolph Parry, 1524 Sansom Street, Phila. Owner, Board of Education, C. I. Moore, Norristown, Pa. Owner taking bids due March 18th 5 P. M. Plans may be obtained from architect. Deposit \$20.00 each. Refund \$10.00 each. Certified check 5% and bond.

Garage, Elkins Park, Pa. Architect, Adin B. Lacey, 1012 Walnut street, Phila. Owner, L. L. Miller, 1218 Real Estate Trust Bldg., Phila. Brick, steel, 1 story, 80x200 feet, slag roof, cement floors, electric light. Owner taking bids.

Apartment House, Athens and Rittenhouse Place, Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 S. 18th street, Phila. Owner, Harry J. Rittenhouse, Ardmore, Pa. Brick, concrete, 3 stories and basement, 156x27 feet, composition roof, pine and oak floors, gas. steam heat, electric light, tile work, hollow metal sash, kalamein doors. Architects taking bids due March 1st.

Glenside Park Improvements, Glenside, Pa. Architect, R. S. Cridland, (landscape), Walter H. Shiffeld, 308 S. Smedley street, Phila. Owners, Commissioners of Cheltenham Twp., Elkins Park, Pa. Reinforced concrete, plumbing, excavation, concrete paving, iron ladders, bond, concrete swimming pool, 67x61 feet. Basement for bath house. Owners taking bids due March 8th.

Hospital, West Chester Pike and Bryn Mawr Ave., Newtown Square, Pa. Architect, Arthur H. Brockie, 254 S. 15th street, Phila. Owners, Penna. Hospital for Mental and Nervous Diseases, Dr. Owen Coop, 49th and Market streets, Phila. Plans in progress.

Technical Equipment, Horsham School, Horsham, Pa. Architects, Heacock & Horkanson, 1211 Chestnut street, Philadelphia. Owner, Board of Education, Horsham, Pa. Plans will be ready for bidders Feb. 24th. Owner taking bids due March 4th. Certified check 5% and bond. Deposit \$10.00, refunded.

Residences (2 pairs), Providence Road, Collingdale, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Phila. Owner, F. H. Wilkinson, Aldan, Pa. Stone, frame 2½ stories, 16x49 feet; 10x18 feet, hot water heat, electric light, ereo dipped shingle roof, hardwood and cement floors, tile work. Owner taking sub-bids.

Pennsylvania Contracts Awarded

Club House and Golf Course, Willow Grove, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owners, Huntingdon Valley Country Club, Noble, Pa. Stone, cut stone, brick, concrete, steel, 2½ stories and basement, 264x100 feet, irregular, slag and slate roof, cement and pine floors, metal lath, tile and marble work, hollow metal sash and doors, bond, ornamental iron work, membrane waterproofing, dampproofing, cast stone. Contract awarded E. Allen Reeves, Abington, Pa., not signed.

Bank, Norristown, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Montgomery National Bank, Norristown, Pa. Brick, reinforced concrete, steel, 1 story, 20x65 feet, mezzanine floor in rear, board of directors' meeting room, banking rooms, new offices, entire new steam heating system, electric light, slag roof, linoleum floors, plumbing, marble work, bronze in grills, check desk, copper flashings. Contract awarded F. R. Heavner, Norristown, Pa.

Residence (alts. and add.), 73 Wynnewood avenue, Merion, Pa., \$17,000. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Leo I. S. Conway, 217 South Broad street, Philadelphia. Stone, hot water heat, shingle roof, plastering, plumbing, tile work, refrigeration. Contract awarded Me-

Closkey Co., 1620 Thompson street, Philadelphia, Pa.

Apartment House, Drexel Hill, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Spencer T. Lynch, Drexel Hill, Pa. Brick, steel, 4 stories and basement, 50x125 feet, slag roof, oak and pine floors, steam heat, electric light, tile work, metal lath, ornamental iron work. Contract awarded Merion Const. Co., Ardmore, Pa.

Residence and Garage, North side Summitt avenue, Drexel Hill, \$10,000. Owner, Warren E. Sawyer, 7114 Theodore street, Philadelphia. Stone, frame and stucco, 2 stories, 36x24 feet, hot water heat, electric light, shingle roof, pine floors. Contract awarded Joseph E. Scheule, 138 Brookline Boulevard, Brookline, Pa.

School, Vera Cruz, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Upper Milford School Board, Jesse Miller, secretary, Vera Cruz, Pa. Brick, steel, 1 story, 56x64 feet, asphalt roof, composition or linoleum floors, cast stone, steel sash (heating, plumbing, electric separate). Contract awarded to Howard Moatz, Emaus, Pa.

Residence and Garage, College Hill, Easton, Pa. Architect, W. M. Michler, Drake Building, Easton, Pa. Owner, Charles Knight, Sullivan street, Easton, Pa. Limestone, tile, 2½ stories, 80x33 feet, 24x40 feet, tile roof, hardwood floors, hollow tile, oil burner, electric light. Contract awarded to F. F. Speck Const. Co., 51 West Walnut street, Bethlehem, Pa.

School (add.), Unionville, Pa. Architect, E. W. Martin, DuPont Building, Wilmington, Del. Owners, Unionville Consolidated School, care of architect. Brick, steel, 2 stories, 61x136 feet, composition roof, maple floors, hollow tile, safety treads, roof ventilators, metal lath. Contract awarded to William M. Francis Co., DuPont Building, Wilmington, Del.

Residence and Garage, St. David's, Pa., \$30,000. Architect, private plans. Owner, J. Freeman Lincoln. Merion Manor, Merion, Pa. Stone, clapboard, 2½ stories, 60x28 feet, shingle roof, hardwood floors, electric light, hot water heat, tile work. Contract awarded Flanigan & Flanigan, 1309 Locust street, Philadelphia.

New Jersey Construction News

Department Store, Broadway and Cooper street, Camden, N. J., \$2,000,000. Owner, name withheld, care of Chamber of Commerce, Camden, N. J. Work contemplated. Survey being made by Hockenberry Co., Lancaster, Pa.

Church, Park Blvd., Camden, N. J., \$300,000. Architect, Norman Hulme, 1524 Chestnut Street, Phila. Owners, Memorial Christian Church, Rev. Milton W. Sutcliffe. Will include recreation room, auditorium, library, etc. Preliminary plans drawn. Work contemplated.

Road Work, New Jersey. Owners, State Highway Commission. A. Lee Grover, Secretary, Broad St. Bank Bldg., Trenton, N. J. Route 16. Section 9, construction Woods Tavern to Harlington, Somerset County. Excavation, double line reinforced concrete pavement, construction of 1 bridge, 42 feet span. 1 bridge 30 foot span. 1 bridge extension. 6 foot span. Certified check 10%. Deposit \$10. Owner taking bids due March 7th at noon.

Transmitting Station, Lakehurst, N. J. Architect, private plans. Owner, U. S. Government, War Dept., Washington. D. C. Steel, brick, 1 story 30x60 feet, built up roof, cement floors, steam heat, electric light. Owner taking bids due March 8th.

Church, Rectory and Parish House, Moorestown, N. J., \$150,000. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owners, Trinity Episcopal Church, Rev. E. L. Sanford, 2d, Moorestown, N. J. Stone, brick, steel. Plans in progress.

Railroad Station, Twenty-first and Second avenue, Avalon, N. J. Architect, William Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Hollow tile, stucco. Plans drawn. Work contemplated.

School, Edgewater Park, N. J. Owners, Board of Education, Edgewater Township, E. A. Green, Edgewater Park, N. J. Tentative plans drawn by Clement N. Anderson, Township Engineer. Work contemplated.

Apartment House, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, A. P. Johnson, 907 South Dudley avenue, Ventnor, N. J. Brick, steel, 3 stories, 20x100 feet, slag roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Residence, Ventnor, N. J. Architect, D. A. Rosenstein, Humphry Building, Atlantic City, N. J. Owner, Dr. William D. Olmstead, 1920 Pacific avenue, Atlantic City, N. J. Frame, 2 stories, 40x50 feet, shingle roof, hardwood floors, electric light, tile work. Plans in progress.

Garage and Service Station, East State street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Norman P. Druck Motor Co., 636 East State street, Trenton, N. J. Concrete, brick, steel, 2 stories, 190x60 feet, slag roof, concrete floors, iron stairs, metal partitions, fire doors, steel sash, electric light, blower system. Plans in progress.

Residence, Overbrook and Edgewater streets, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, J. Papier, 752 Edgewood street, Trenton, N. J. Cinder block, stucco, 1½ stories, 50x56 feet, Spanish tile roof, hardwood floors, electric light, tile work. Plans in progress.

Residence, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owner, Frank Gorson, care of architects. Brick, 2½ stories, 27x43 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence and Show Room, Atlantic City, N. J. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owners, National Bldg. Inst., care of A. C. Ekholm, Atlantic City, N. J. Stucco and half timber, 1 story, 40x50 feet, 60x200 feet. Plans in progress.

School, Rhode Island avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City School Board, H. H. Young, secretary, Atlantic City, N. J. Fireproof, 2 stories, 222x58 feet, 69x50 feet, composition roof, hardwood and composition floors, hollow tile, safety treads, roof ventilators, iron stairs, fire doors, steel sash and skylights, tile and marble, metal lath (heating, plumbing and electric separate). Plans in progress. Will be ready for bids in two weeks.

Store (add. and alts.), 7 North Broad street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Palace Confectionery Co., on premises. Brick, stone, 4 and 3 stories, 25x45 feet, slag roof, plate glass, tile and marble, heating extension, electric light. Architect will be ready for bids this week.

Residence, West Atlantic City, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owner, Benjamin Fox, 1102 Atlantic avenue, Atlantic City, N. J. Frame, stucco, brick, 2 stories, 26x52 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Golf Club, Ocean City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Ocean City Harbors Co., care of architect. Frame, 2 stories, 36x100 feet, slate roof, pine floors, tile and marble (heating, plumbing, electric reserved). Architect taking bids due March 1st.

Store and Manufacturing Building, Southeast Corner Fifth and Federal streets, Camden, N. J. Architect, Joshua C. Jefferies, Camden, N. J. Owners, George M. Beringer, Inc., 312 Market street, Camden, N. J. Brick, reinforced concrete, granite, steel, 4 stories and basement, 145x40 feet (plumbing, heating, electric, sprinkler and elevator reserved), slag roof, cement floors, metal lath, tile, marble and terrazzo work, hollow metal sash, fire doors, bond, ornamental iron work, iron stairs, shoring, waterproofing, architectural terra cotta, sprinkler tank, metal store front, metal toilet partitions, bluestone, area gratings, dumb waiters. Architect taking bids due February 26th.

School (alts. and add.), Bellmawr, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, Township of Center County, Camden County, N. J. Brick, stone, cut stone, steel, 2 stories and basement, 68x26 feet, black slate roof, cement and maple floors, carpentry and mill work, painting and glazing, hardware, metal lath, hollow metal sash, bond, ornamental iron work. Owners taking bids due March 7th at Bellmawr School.

Factory (add.), Cleveland and Lois avenues, Camden, N. J., \$15,000. Architect, private plans. Owners, H. Kohnstamm & Co., Inc., on premises. Metal process, 2 stories, 45x95 feet, metal roof. Permit issued.

Laundry, Northfield, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic County Board of Chosen Freeholders, Atlantic City, N. J. Fireproof, concrete, brick, steel, 1 story, 70x38 feet, slag roof. Lowest bidder, John Green, Pleasantville, N. J., \$18,798. Plumbing, Benjamin E. Labov, 212 Adriatic avenue, Atlantic City, \$2,330. Electric, Charles Miller, Humphry Building, Atlantic City, \$1,190. Heating, Baldwin Vent. Co., 1509 Arch street, Philadelphia, \$2,997.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Delaware Bridge approaches. Grading of connecting road. Sections Ra. 5. 6. and Route 6, Section 17, Collingswood to Westville, Camden County. Excavation, borrow. Certified check, 10 per cent. Deposit of \$10. Owners taking bids due February 28th at noon.

Bridge over Great Egg Harbor, Somers Point to Beasley Point, N. J. Owners, care of War Department, Washington, D. C. Concrete piers, steel pony truss construction, 100 feet, center to center clearance 95 feet, double leaf bascule drawbridge. Work contemplated.

New Jersey Contracts Awarded

High School, Landis avenue, Vineland, N. J. Architects, Guilbert & Betelle, Chamber of Commerce, Newark, N. J. Owners, Landis Township Board of Education, Vineland, N. J. Contract awarded but not signed. H. John Homan Co., Eighteenth and Cherry streets, Philadelphia, \$345,000.

Theatre, Stores and Offices, White Horse pike, Oaklyn, N. J. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, William Butler & Son, Oaklyn, N. J. Brick, stone, seating capacity 750, slag roof,

cement floors, hot air heat, electric light, tile work. Contract awarded Wills Bill Co., 1706 Sansom street, Philadelphia.

Stores and Offices (13), Sixth and Cooper streets, Camden, N. J., \$45,000. Architect, name withheld. Owner, name withheld. Brick, 2 stories, 80x114 feet, slag roof, maple floors, plumbing, cement work, hot water heat, electric light, tile work. Contract awarded John C. Gibson, 527 Cooper street, Camden, N. J.

Bungalows (10), Runnymede, N. J. Architect, private plans. Owner, Charles P. Shisler, Broad and Snyder avenue, Philadelphia. Frame and sand finish, 1 story, 24x41 feet, asphalt shingle roof, pine floors, hot air heat, electric light, tile work. Contract awarded Joseph H. Klein & Son, 2813 South Marshall street, Philadelphia.

Residence, Somers Point, N. J. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J. Owner, R. J. Harris, Ocean City, N. J. Brick, stucco, 2½ stories, irregular size, variegated slate roof, hardwood floors, flagstone, cast stone, ornamental iron, tile work. Contract awarded to William Sharrock, Somers Point, N. J.

Residences (15), 1326-54 Chase street, Camden, N. J., \$60,000. Architect, Howard S. Stevenson, 1029 Chestnut street, Philadelphia. Owner, Frank Sozzi, 523 Line street, Camden, N. J. Brick and block, 2 stories, 18x30 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Lawrence J. Robinson, Haddonfield, N. J.

Building, Haddon avenue, East of White Horse pike, Camden, N. J., \$25,000. Architect, private plans. Owners, Levering-Riebel Co., Third and Jackson streets, Camden, N. J. Brick and block, 1 story, 80x84 feet 6 inches, asphalt roof, steam heat, electric light. Contract awarded to George Kessler Cont. Co., 1733 North Marvne street.

Stores (5), Pleasantville, N. J. Architect, A. L. Brooks, Humphry Building, Atlantic City, N. J. Owner, Robert Berry, Pleasantville, N. J. Brick, steel, 1 story, 100x60 feet, slag roof, pine floors, metal ceilings, plate glass, copper work, hot water heat electric light. Contract awarded to P. G. Hannum, Georgia avenue and Thorofrae, Atlantic City, N. J.

Residence and Garage, South Kenyon avenue, Margate City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, Albert Magee, care of architect. Frame, brick, 2½ and 1 stories, 24x40 feet, 20x20 feet, slate roof, hardwood floors (heating and plumbing reserved), electric light. Contract awarded to A. B. Bowen, 1 South Delancey Place, Atlantic City, N. J.

Residence, Somers Point, N. J. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J. Owner, F. S. Summer, 118 South California avenue, Atlantic City, N. J. Brick, 2½ stories, irregular size, variegated slate roof, hardwood floors, flagstone, cast stone, ornamental iron, tile work. Contract awarded to William Sharrock, Somers Point, N. J.

Residence, Somers Point, N. J. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J. Owner, J. Mack, care of architect. Brick, 2½ stories, irregular size, variegated slate roof, hardwood floors, electric light, tile work, ornamental iron, flagstone, cast stone. Contract awarded to William Sharrek, Somers Point, N. J.

Residence, Somers Point, N. J., \$45,000. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J. Owner, B. Bill, care of architect. Brick, 2½ stories, irregular size, variegated slate roof, hardwood floors, flagstone, cast stone, ornamental iron, tile work, electric work. Contract awarded to William Sharrock, Somers Point, N. J.

Stores (2), (alts.), 301 Broadway, Camden, N. J., \$12,800. Architect, Herman H. Kline,

Bulletin Bldg., Phila. Owner, Samuel Ellis, Camden, N. J. Brick, 1 story 12x20 feet, slag roof, hot water heat, electric work, new store front, general alterations. Contract awarded to S. Kravetz, 535 S. 57th St., Phila.

Residences (2), 540-42 N. 34th street, Camden, N. J., \$8,000. Architect, private plans. Owner, E. Evantash, 1427 Ormond street, Camden, N. J. Frame 2 stories, 15x52 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Henry H. Wilson, Gloucester, N. J.

Miscellaneous Construction News

Church, Norwalk, Conn. (Note location.) Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, St. Paul's Protestant Episcopal Church, Rev. Lewis B. Howell, Norwalk, Conn. Stone, 1 story and basement, 60x130 feet, slate roof, stone or tile floors, vapor heat, electric light, tile, marble and terrazzo work. Revised plans in progress. (Note correction.)

Bank, Lexington and Calvert streets, Baltimore, Md. Architect, Parker Thomas Rice, Union Station Building, Baltimore, Md. Owners, Federal Reserve Bank, Richmond, Va. Brick, limestone, steel, 6 stories and basement, 110x100 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile work, rolled steel sash, bond, ornamental iron work. Architect taking bids due March 1st.

Hospital, Greeneville, Tenn. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Dr. Leroy Coolidge, Greeneville, Tenn. Fireproof, 3 stories and basement, 36x100 feet, asbestos shingle roof, concrete or linoleum floors, hollow tile, elevators, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, fire doors, tile and marble, metal lath, electric light. Owner taking general and sub-bids.

Auditorium, Wilmington, Del., \$30,000. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, name withheld, care of architect. Brick, 1 story and basement, 45x111 feet, built-up roof, hardwood floors, steam heat, electric light, structural steel, projected steel lath, billiard tables, shuffleboards, bowling alley. Plans completed. Owner will build.

Residences (4), 209-11-13-15 Jefferson street, Wilmington, Del., \$20,000. Architect, private plans. Owner, James P. Jones, Jr., 635 West Twenty-eighth street, Wilmington, Del. Brick, 2 stories, 20x28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), 218-20 East Twenty-ninth street, Wilmington, Del., \$10,000. Architect, private plans. Owner, Jacob Winslow, 921 Market street, Wilmington, Del. Brick, stone, 2 stories, 18x34 feet, slag roof, pine floors, hot air heat, electric light. Permit issued.

Garage, South side Gordon street, Wilmington, Del., \$2,000. Architect, private plans. Owner, Joseph S. Hamilton, 829 Orange street, Wilmington, Del. Brick, 1 story, 72x144 feet, slag roof, concrete floors. Permit issued.

Miscellaneous Contracts Awarded

Residence and Garage, Louisville, Ky. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Judge Charles H. Morman, Louisville, Ky. Brick, 2½ stories, 30x40 feet, 18x24 feet, slate or shingle roof, hardwood and cement floors, hot water heat, elec-

tric light, tile work. Contract awarded Palmer Graham, Louisville, Ky.

Shore Approach and Ferry Slip, New Castle, Del. Engineers, Chapman & Fisher, 524 Walnut street, Philadelphia. Owners, New Castle & Pennsville Ferry, Captain L. H. Garrison, New Castle, Del. Frame and timber, 200 feet long, piles, reinforced concrete. Contract awarded Simpson & Brown, 90 West street, New York.

Construction operations in the United States held to a somewhat slackened pace during January, the volume of building activities for the month being well below the figure registered for December, according to statistics compiled by the Associated General Contractors of America. Promise of an early increase in the amount of work under way is seen, however, in the fact that the volume of building contracts awarded during December was the greatest ever recorded for that month of the year.

Construction costs rose slightly during January to reach exactly the same level they occupied one year before. The increase was the reflection of higher prices commanded by construction materials, the average of wages paid in the building trade being the same as in December.

The January volume of construction was 20 per cent. smaller than the mark set in December and was 6 per cent smaller than the volume recorded in January, 1926.

The volume of contracts awarded in December was 13 per cent. greater than that recorded in November and brought the total volume of awards for 1926 up to an increase of 8 per cent. over the 1925 figure.

Increases in the prices of sand, gravel and common brick in several sections of the country were responsible for the rise noted in construction costs last month, it is stated. On a scale which has the 1913 average as its basis, construction costs now hold the 197 level. Last year the trend of these costs was slightly upward until May. During the last half of 1926, a gradual decline was noted. At no time last year was a marked fluctuation noted. A gradual decline in costs has been noted since 1923.

(Continued from page 116)

"When the youthful Canadian, George Young, recently won the Wrigley prize by being the first and only one who swam across Catalina Bay, it was an outstanding example of the body being prepared and conditioned by clean, wholesome air and vigorous exercise as well as one of strong physical and moral courage," Coach Bachrach said.

He pointed out that physiological tests conducted by the United States Public Health Service and the American Society of Heating and Ventilating Engineers on more than 300 men in a special air research laboratory in the bureau of mines at Pittsburgh has clearly established the fact that air conditions bring more severe reactions to athletes and people working or exercising violently than to those at rest or in ordinary activities.

"I have been told that these tests show that pulse rate, body temperature, respiration and blood pressure increase with the room temperature and humidity," Coach Bachrach added. "Considerable

body moisture and heat are thrown off in work or exercise and that's why the ventilation should be so handled as to carry this off and constantly supply clean, fresh air of the correct motion, temperature and humidity. It is an axiom of physiology that a man should give off heat to be healthy. If you don't have body heat you don't have energy. A man who lives or works in a room that is well ventilated throws off more heat than when in a room not ventilated.

"We have heard much recently that mechanical ventilation or the manufacture of weather within buildings has been reduced to an exact science. We need more of this in our gymnasiums, arenas and other public gathering places. I have attended several boxing shows where patrons insist on smoking. Ventilation is needed to carry this out. We need more of it in theatres."

Coach Bachrach called attention to the fact that Tex Rickard, famous promoter of fights and other sporting events of national appeal, has announced that he proposes to build a chain of arenas and athletic buildings throughout the country. Plans are to provide the best of air conditioning systems for these, it was stated. It was pointed out that in the huge new Madison Square Garden in New York during prize fights, horse shows and other entertainments where between 15,000 and 20,000 persons gather under one roof, an endeavor is made to keep the air clean and fresh by motors of 300 horsepower. Air is changed constantly by blowing in a fresh supply.

Coach Bachrach believes that the air in any gymnasium should be similar to that of an ideal, balmy day in June. This would mean a temperature of about 68 degrees, a relative humidity of between 40 and 45 degrees and a slight motion of air. This sort of conditioning can be done electrically.

THE A. S. T. M. SPECIFICATIONS FOR BUILDING BRICK

With Special Reference to the Absorption Test and Its Application in Practice

BY W. C. KOCH

The Compression and Transverse Tests

These have a direct relation to the use of the material and disclose properties which are actually required in practice. The exact relations between the results of the tests and practical requirements are being constantly investigated, thereby giving promise of better and better interpretive data for the use of building designers. The fact that the properties tested and the properties required in practice are so nearly on common ground is therefore resulting in a very satisfactory development in actual use of these sections of the Building Brick Specifications.

The Absorption Test

The results of this test, on the contrary, are far removed from the properties sought to be evaluated. In all the literature on this subject the question of permanence and weather resistance in structures is the admitted principal object of the test. The assumption is that these properties increase inversely with the absorption of burned clay materials.

This assumption is immediately subject to two interpretations, first, that increased absorption is the cause of decreased weather resistance and, second, that increased absorption merely accompanies proportionately the actual causes of decreased weather resistance and is therefore eligible to serve as a measure thereof.

In consequence it at once becomes essential in considering the merits of the test to examine into the actual causes of weathering and to see to what extent these may or may not be directly traceable to the absorption of the material. If not so traceable, and in addition, if the actual causes are found to bear no calculable ratio to the absorption percentage of the material, then it will be necessary to discard this requirement of the specifications as a measure of durability and to discover by means of appropriate research what practicable substitute may be offered in its place.

Types of Disintegration or Weathering

Long and detailed observation, carefully checked with the observations of others, indicates three types of disintegration:

(1) The erosion type. Frequently found on chimney tops, bases on high walls and extensively on wall copings or exposed balustrades. It is most frequent on vertical surfaces. The mortar is subject to it as well as the brick.

The appearance is that of a wearing away of corners and surface of the individual units with detachment of flat slabs of the material which will partially adhere for long periods until accidentally dislodged. In extreme cases which have been observed the disintegration of the brick and mortar has rendered useless as much as an inch and a half of the wall thickness in a period of eighteen years.

(2) The spalling type. Frequently found on undrained horizontal exposures such as the tops of retaining walls, driveway surfaces, brick steps and the like.

Sharp fractures with detachment of chips and spalls characterize this type of disintegration. Irregular hair cracks precede the advance of the disintegration in the individual unit. It is rarely accompanied by the failure of the mortar.

(3) The lime type. This has nothing to do with weathering but is due to the presence of limestone pebbles or particles which have been oxidized in burning but

have not reached the combining temperature. In this state they air-slake under appropriate conditions and are in some instances capable of completely destroying the product. In other cases conical spalling takes place, each conical spall having a line particle as its apex. This air-slaking takes place most actively during warm, moist weather. It is of infrequent occurrence in most localities since raw materials subject to this danger are ordinarily avoided.

Cause of Types 1 and 2

Type 1, the erosion type of disintegration, is in all probability due exclusively to underburning of the product. Underburning may result in disintegration in two ways:

First, although the material is generally possessed of sufficient residual pore space to accommodate the expansion of freezing particles of water it must nevertheless also have sufficient internal bond to deflect the ice crystals into the available space during their formation. In the absence of this degree of internal bond a gradual internal separation of the particles takes place under repeated freezing and thawing.

Second, the internal bond undoubtedly depends upon certain chemical combinations progressively formed and stabilized during burning and becoming less water-soluble with increased temperatures. There are probably ranges of temperature and conditions for each material which produce a satisfactory appearing product yet leave in them partially soluble substances essential to the proper cohesion of the product. Such a product differs from a well-burned product having the same absorption in that it suffers a gradual loss of internal strength by solution of these essential substances.

The first of these actions can take place only in relatively severe climates but the second may take place anywhere.

Type 2, the spalling type of disintegration, takes place only in connection with materials of low absorption. In undrained exposures such a material will frequently be subject to water penetration and subsequent freezing. Since there is little or no residual pore space (pore space not easily penetrated under normal pressures) the attempt to resist instead of to accommodate the expansion of the ice crystals must result in rupture. The spalling type of disintegration is unknown in the absence of frost.

If these conclusions are correct, how then is the liability of disintegration or weathering measured by the absorption test? We may very well ask ourselves the following four questions:

(1) Must a definite minimum of absorption be present to produce the erosion type of disintegration and a definite maxi-

mum of absorption to produce the spalling type?

Answer: Yes, according to the nature of the material.

(2) Can a material having a great percentage of absorption be free from danger of the erosion type of disintegration?

Answer: Yes, according to the nature of the material.

(3) Or a material having a small percentage of absorption be free from the danger of the spalling type of disintegration?

Answer: Yes, according to the nature of the material.

(4) Is absorption a measure of the degree of burning?

Answer: No, since almost any degree of absorption may be obtained artificially or by selection of raw materials, all with the same degree of burning.

The conclusion suggests itself that the absorption test does give us some slight amount of information but that the modifications required to reduce this information to a workable basis are of greater significance than the test itself.

Turning for a moment the searchlight of reasoning on the *modus operandi* of the test itself it would seem that the result secured is not the result sought. The test is of interest only so far as it tells the story of the internal water exposure to which a burned clay unit is subject. But it does not tell this story. A ridiculous example may serve best to bring out this failing most clearly. Assume two bricks of equal size, each absorbing under the conditions of the test one-half pound of water. The first brick weighs five pounds with a specific gravity of about two. The other is made of platinum and weighs approximately fifty pounds with a specific gravity about twenty. The absorption of the clay brick is 10 per cent, whereas that of the second is 1 per cent. The internal water exposure of the two is identical.

In England the absorption percentage has long since been discarded in favor of the porosity percentage, though neither is used as a practical test for weathering qualities. With a possible more sweeping change in view it would seem unwise to advocate an intermediate substitution of this character. This is particularly true on account of the relief afforded by the regional modification clause adopted last June, which to a certain extent relieves the situation from a growing danger of damaging criticism.

Means should be developed to go to the root of the matter. Rules for the gathering of specimens are needed. Disintegration of individual bricks in the midst of others which have remained perfectly intact is a frequent occurrence so that no reliability can be placed upon specimens selected by location in a wall.

The only specimens which can safely be studied are intact parts of disintegrated brick.

In my opinion the absorption test with its regional modification or some other effective modification can be left in status quo until such time as the society is in a position to offer a test which reduces comprehensive field experience to a laboratory basis and which takes into account the very difficult problem of extreme variations in the behavior of burned clay products composed of capricious raw materials manufactured by numerous methods under non-standardized conditions.

—*The Clay-Worker.*

MATERIAL ENTERING INTO STEEL COLUMNS AFFECTS STRENGTH MORE THAN CHANGES IN TYPE OF CONSTRUCTION

Results of tests recently completed on full-sized steel columns at the Bureau of Standards, Department of Commerce, show that under present specifications differences in the physical properties of the material entering into sturdy columns produce greater variation in the column strength than all the differences in type of construction.

This work was conducted in co-operation with the American Bridge Company and the Bethlehem Steel Company. These firms furnished more than 130 tons of steel meeting specifications under which structural steel is usually purchased. This was fabricated into 69 columns having H-shaped sections and of five different types of construction. The finished columns were tested to destruction in the 10,000,000 pound testing machine of the Bureau. Likewise, over 1,000 test specimens were cut from the columns and subjected to chemical analyses and physical tests to determine as accurately as possible the properties of the steel from which the columns were made. All of the material met the specifications under which it was furnished, but differed greatly in tensile yield point.

Although much work has already been done on columns, the subject of column strength and method of design, especially in large sizes, is still a matter for so much discussion that the additional data which these tests have furnished will be of great value to engineers.

This work is fully described in Technologic Paper No. 328, copies of which may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 40 cents each.

The BUILDERS' GUIDE is in its fortieth year of continuous publication.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W., 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America, 1600 Arch St.
Leon Merz Co., 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor 15th and Locust Sts., Phila.
Simpson-Anderson Co., Widener Bldg., Phila.
Smith-Austermuhl Co., Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co., 5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A., 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co., 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co., 5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co., 5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co., 1923 Market St., Phila.
Camden Tile Co., Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co., 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co., 125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph, South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co., 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co., Drexel Bldg., Phila.

RANGES

Miller, Henry M., 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc., 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M., 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co., Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co., 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Chelton Ave., Phila.
John Nacey Co., 7254 Paschall Ave., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co., 7254 Paschall Ave., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co., Bethlehem, Pa.

ROOFING TILE

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co., 2317 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co., 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co., 1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES

Edwin Elliott Co., 560 N. 16th St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Smith-Austermuhl Co., Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co., 1923 Market St., Phila.
Camden Tile Co., Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD, COMPO BOARD

Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co., 1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co., 50 N. 5th St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING

Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co., Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

No Property Is Immune

to windstorm damage. No section of the country can claim, "The wind can never cause destruction here."

Insurance against destruction or damage occasioned by violent winds will add very little to your insurance budget, but add a great deal to the safety of your property investment.

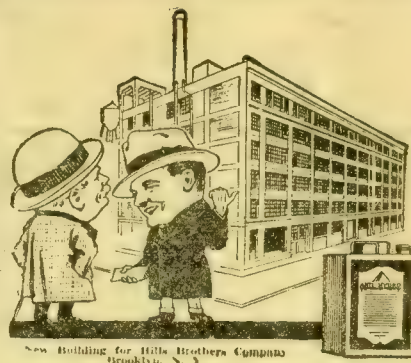
Your agent can give you windstorm insurance in a reliable company.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



"ANTI-HYDRO" Preserves the Concrete Floors in this Preserving Factory

The concrete floors in this building are subjected to the action of fruit juices, acids and chemicals which would ordinarily deteriorate them if the concrete were not protected with "ANTI-HYDRO" throughout the one-inch topping.

In addition to making concrete acid, alkali and oil resisting, "ANTI-HYDRO" also permanently hardens and waterproofs concrete—all in one operation.

"ANTI-HYDRO" is an indispensable time and money saver in cold weather because it lowers the freezing point of concrete and cement mortars to 15 degrees F. This makes it possible to work during freezing weather and to complete your contracts on time with prompt payments.

Because "ANTI-HYDRO" is a liquid integral compound, it mixes easily with the gauging water—no skilled labor is required.

The 22-year record of "ANTI-HYDRO" results is proof of its permanence. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials "Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 9
March 2, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

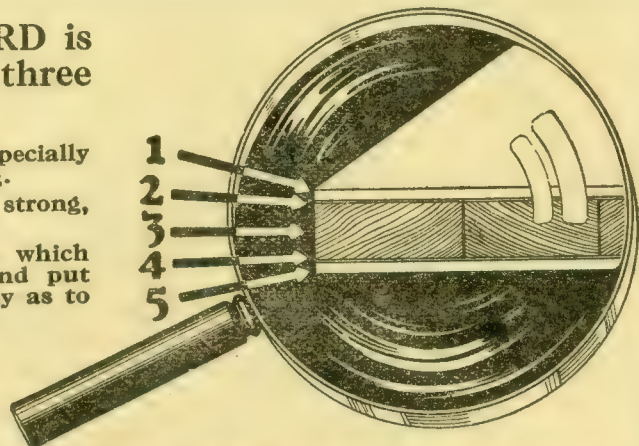
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

In Placing a Contract—

The following are often disregarded in
grasping a cheap price:

Years in business,
Experience in this class of work,
Standing in the Community,
Personal references,
Financial Rating and Credit Standing,
Reputation for fair dealing,
Possible reciprocity,
Organization and personnel in back of contract.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co. JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

MURLIN

MANUFACTURERS OF

Cast Exterior Ornamental LIGHTING

The proper lighting of Developments will rapidly increase the sale and value of Real Estate.

It has become an essential to Builders and Real Estate Developers.

Our Engineering Department is in a position to take care of your requirements.

MURLIN MFG. CO.

5420 PASCHALL AVENUE
PHILADELPHIA, PA.



INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



ONE BAG TILTER NOW AT HALF BAG PRICE

BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES

	MIXERS 55 - 75 105 - 145 215 - 285 GAS STEAM ELECTRIC ALLEY STREET PAVER	HOISTS SINGLE AND DOUBLE DRUM REVERS- ING \$135 UP FORDSON WINCHES	
--	--	---	--

BRICK

ELKINS PARK BANK

just nearing completion, is another
piece of Colonial architecture made
possible by the use of

EXCELSIOR ANTIQUES

The building was designed and executed
by the well known

HESSWIN COMPANY

A true colonial appearance and atmos-
phere can always be secured thru the
use of genuine kiln-burned

EXCELSIOR ANTIQUE BRICK

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON Pivoted Steel Sash For All Industrial Construction

25 Sizes and Ventilator Arrange-
ments for Immediate Delivery

Regularly Specified for small as
well as large buildings

Phone, write or wire

Literature on request

DAVID LUPTON'S SONS CO.

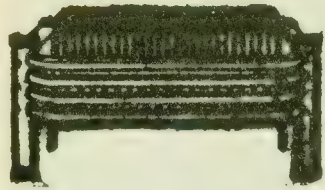
Allegheny Ave. and Tulip St., Philadelphia

Bell-REgent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

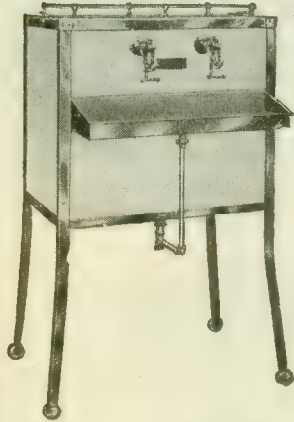


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 9

PHILADELPHIA
March 2, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House (70), 806-08 Pine street, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, brick, stone, 4 stories and basement, 44x162 feet, slag roof, pine and hardwood floors, elevators, safety treads, metal ceilings, waterproofing and dampproofing, terra cotta, cast stone, ornamental iron work, iron stairs, bond, fire and kalamein doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat, oil burning. Plans in progress.

Residence, Southwest Corner Haines and Boyer streets, Germantown. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, Cerry Fortunato, care of architect. Stone, 2½ stories, 30x41 feet, hardwood floors, electric light, hot water heat, tile work. Plans in progress.

Bank Building, 3314 Germantown avenue, Philadelphia. Architect, T. E. Ash, 1700 Walnut street, Philadelphia. Owners, Tioga National Bank, Thirteenth and Tioga streets, Philadelphia. Plans in progress. Too early for details.

Residence, Sedgwick and Wissahickon avenue, Philadelphia. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, A. Rosenau, Twenty-fifth and Westmoreland streets, Philadelphia. Plans in progress. Too early for details.

Factory Building, Southwest Corner Rubican and Collins streets, Philadelphia. Architect, private plans. Owner, N. Neuman, care

of Paragon Knitting Mills, 3907 Powelton avenue. Revised plans in progress.

Church, Sixty-seventh and Lansdowne ave., Philadelphia. Architects, Henry D. Dagit & Sons Co., 1329 Race street, Philadelphia. Owners, St. Callistus' Roman Catholic Church, Rev. D. S. Coonahan, on premises. Stone. Plans in progress. Too early for details.

Apartment House, South side Sixty-ninth street and Chestnut street, Philadelphia, \$2,750,000. Architect, Andrew J. Sauer, Schaff Building, Philadelphia. Owner, name withheld, care of architect. Stone, brick, steel, 14 stories, 349x126 feet, steam heat, electric light, tile and marble work, elevators. Plans in progress. Work contemplated.

Garage, Sixteenth and Allegheny avenue, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, name withheld. Brick, slow burning, 1 story, 50x200 feet, asphalt roof, cement floors, plumbing, unit heat, electric light. Plans in progress.

Residence (alts. and add.), 273 Tulpehocken street, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, Amelio Roma, on premises. Brick, 2½ stories, 7x22 feet, hardwood floors, plumbing, tile work, hot water heat, electric light. Plans in progress.

Apartment House, 251 West Rittenhouse street, Philadelphia. Architect, Ralph Goldberg, 266 South Fifteenth street, Philadelphia. Owners, David and Irvin Schorch, Packard Building, Philadelphia. Brick, steel, stone,

stucco, 3 stories, 42x100 feet, 24 apartments, slag roof, hardwood floors, vapor heat, electric light, tile work. Owners taking sub-bids.

Pavilion, Parkway Plaza, near City Hall, Philadelphia, \$75,000. Architect, Paul Cret, Otis Building, Philadelphia. Owners, Department of Public Property, Bureau of Public Works, City Hall. Limestone, concrete, 40x60 feet. Plans in progress. Will be ready for bids in a few days.

Store and Apartment (alts.), Sixty-third and Woodbine avenue, Philadelphia. Architect, Charles M. Wells, 3667 North Broad street, Philadelphia. Owners, McGinley & Bickel, Sixty-third and Woodbine avenue, Philadelphia. Brick, limestone, 2 stories, 24x60 feet, built-up roof, oak floors, metal window guards, metal ceilings, waterproofing, central heat, electric light, metal lath, tile work, iron stairs. Architect ready for bids in 3 weeks.

Store, 537-39 South street, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, cut stone, steel, 2 stories and basement, 43x90 feet, slag roof, maple and cement floors, waterproofing, steam heat, electric light, bond, ornamental iron work. Architect taking bids due March 10th.

Store and Residence into Store and Apartment, Fifty-second and Irving streets, Philadelphia. Architect, private plans. Owner, R. P. Powell, on premises. Brick, front add., 2 stories, 12x16 feet, rear add. 8x16 feet, slag roof, hardwood floors, plumbing, metal ceil-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

ing, hot water heat, electric light. Owner taking bids.

Church, Levick and Palmetto streets, Philadelphia. Architect, Bureau of Architecture, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Lawndale Methodist Episcopal Church, on premises. Stone, steel, 2 stories and basement, 81x97 feet, slate and slag roof, pine floors, electric light, ornamental iron work. Architects taking bids due March 15th.

Store (alts.), 1015 Chestnut street, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Martin S. Pearlman, on premises. Bond, iron work, cement work, plastering, marble and terrazzo, painting and glazing, sheet metal work, carpentry and mill work, Zerithern floors, electric work. Architect taking bids.

Store Building, Southwest Corner Seventeenth and Chestnut streets, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, Bonwit, Teller & Co., Thirteenth and Chestnut streets, Philadelphia. Brick, steel, reinforced concrete, granite, limestone, 8 stories and basement, 146x71 feet, slag roof, cement floors, hollow tile, metal window guards, metal lath, tile and marble work, rolled steel and hollow metal sash, fire, kalamein doors and hollow metal doors, iron stairs, bond, ornamental iron work, shoring, bronze work, Peele doors, refrigerator doors, cast stone, metal toilet partitions, Vitrolite incinerator, cork insulation, sound insulation, medicine cabinets, folding beds, ash hoists, window safety devices, spiral chute, vault doors, area gratings (plumbing, heating, light, sprinkler, refrigerator, dumb waiter, elevators reserved). Architect taking bids due March 7th.

Supplies, Philadelphia. Owner, Purchasing Agent, E. J. Lafferty, 312 City Hall, Philadelphia. Owner taking bids due March 7th. Lumber, boiler tubes, steam hose. Certified check, 5 per cent.

Store and Residence (add. and alts.), 2928 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. K. Weiss, on premises. Brick, 1 story side add., 7x19 feet 6 inches, general alterations. Permit issued.

Residences (118), M, Luzerne, Glendale and Dundan streets, Philadelphia, \$447,000. Architect, private plans. Owner, M. W. Dougherty, Inc., O and Luzerne streets, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, electric light. Permit issued.

Store (alts.), 3000 North Fifth street, Philadelphia, \$3,000. Architect, private plans. Owner, Simon Kaminski, Somerton, Philadelphia. General alterations. Permit issued.

Residence, 223 East Benezet street, Philadelphia, \$7,500. Architect, private plans. Owner, John E. Walt, 204 East Willow Grove avenue, Philadelphia. Stone, 2 stories, 17x15 feet, slate roof, hot water heat, electric light, hardwood floors. Permit issued.

Residence, North side Suffolk street, East of Eighty-seventh street, Philadelphia, \$4,000. Architect, private plans. Owner, Christian Bartholmai, Eighty-seventh and Suffolk streets, Philadelphia. Brick, 2 stories, 14x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (24), North side Grange street, East of Hope street, Philadelphia, \$107,200. Architect, private plans. Owners, Mulholland & Gotwals, 5711 Mascher street, Philadelphia. Brick, 2 stories, 15x29 feet, 11x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (12), West side Warnock street, South of Clarkson street, Philadelphia, \$37,000. Architect, private plans. Owners, Mahon & Coffin, Oak Lane Trust Building, Philadelphia. Brick, 2 stories, 15x25 feet, slag roof, pine floors, electric light. Permit issued.

Stores (20), 1309-11 Walnut St. Arcade to 1306-08 Sansom St. Architect, LeRoy R. Rothschild, 215 S. Broad St., Phila. Owner, S. W. Sargent & Co., 1600 Wanut St., Phila. Brick, 2 stories, 18x22 feet, central heat, electric light. Plans in progress.

Auto Show Rooms, S. W. Cor. 68th and Market streets, Phila. Architects, Tunis & Baker, Ins. Co. of America Bldg., Phila. Owner, P. Knatz Cooke Co., 69th and Market St., Upper Darby. Brick, steel, concrete, 2 stories, 155x90 feet. Architects to take sub-bids. Plans in progress.

Contracts Awarded

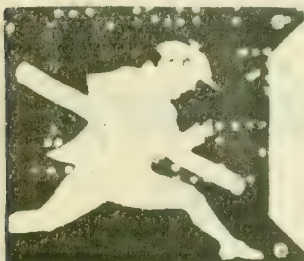
Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Willow Sub-Station, Northeast Corner Ninth and Willows avenue, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, reinforced concrete, steel, cut stone, 6 stories and basement, 85x95 feet, slag roof, cement floors, plumbing, heating, electric, steel sash, elevators reserved, metal lath, rolled steel sash, ornamental iron work, waterproofing. Contract awarded F. M. Harris Co., 1520 Parrish street, Philadelphia.

Building, 1708-10 Callowhill street, Philadelphia. Architect, Ralph Beneker, Northeast Corner Thirteenth and Chestnut streets, Philadelphia. Owners, Philadelphia Boiler Works,

1737 Filbert street, Philadelphia. Brick, reinforced concrete, 3 stories and basement, 30x60 feet (plumbing, heating, electric reserved), slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded Fred A. Havens, 845 North Nineteenth street, Philadelphia.

Residence, Ridge pike and Manatawna avenue, Roxborough, Pa., \$52,000. Architect, Arthus H. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Reed A. Morgan, West End Trust Building, Philadelphia. Stone, cut stone, 2½ stories and basement, 103x27 feet, 1 story garage, 28x32 feet, hot water heat, electric light, metal lath, tile work, slate roof, oak, cement and pine floors, hollow tile, car-



Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



pentry and mill work, plastering, plumbing, hardware, bond, ornamental iron work, metal weather strips, incinerator, flagstone, dumb waiter. Contract awarded William J. Gruhler Co., 219 High street, Philadelphia.

Garage, 819-23 Walnut street, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, J. Bolek, 216 Ledger Building, Philadelphia. Brick, hollow tile, cut stone, steel, 6 stories and basement, 60x122 feet, slag roof, cement floors, elevators, plumbing, terra cotta, coping, ornamental iron work, demolition, bond, fire doors, rolled steel sash and skylights, metal lath, steam heat, electric light. Contract awarded Nelson Pedley Const. Co., 1510 Chestnut street. (Note contractor.)

New Front, Cambria Theatre, Twenty-fifth and Cambria streets, Philadelphia. Architects, Hodgens & Hill, 230 South Fifteenth street, Philadelphia. Owner, George Neudascher, on premises. Stucco front, copper cornices, wrought iron new doors. Contract awarded M. Neudascher, Twenty-fifth and Cambria streets, Philadelphia.

Interior Alterations, 1209 Chestnut street, Philadelphia. Architects, Hahn & Baylinson, 721 Chestnut street, Philadelphia. Owners, Mawson & DeMany, on premises. Brick plastering, painting and glazing, iron work. Contract awarded to William Smelo, Germantown and Cheltenham avenues, Philadelphia.

Bridge, Fifth and Hunting Park avenue, Philadelphia, \$88,760. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Steel, concrete, 120x150 feet. Contract awarded Robbins Contg. Co., 1137 North Front street, Philadelphia.

Bridge, Summitt avenue, Fox Chase. Architect, Chief Engineer, Division of Bridges, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Contract awarded Michael Staub and Kolyn Const. Co., Trenton, N. J.

Residences (16), East side Loretta street, North of Lansing street, Philadelphia, \$64,000. Architect, private plans. Owners, Isard & Orleans, 504 Shubert Building, Philadelphia. Brick, 2 stories, 18x24 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Morris Caplan, 813 South Fifth street, Philadelphia.

Residence and Store (add. and alts.), Northeast Corner Tenth and York streets, \$5,500. Architect, private plans. Owner, Aaron Cohn, Tenth and York streets, Philadelphia. Brick, 1 story add., 13x32 feet, general alterations. Contract awarded to Sol Getz, 4837 North Eleventh street, Philadelphia.

Store and Apartment (alts.), 117 South Twenty-second street, Philadelphia, \$4,000. Owners, Realog Realty Co., Finance Building,

Philadelphia. General alterations. Contract awarded to Golder Const. Co., 263 South Fifteenth street, Philadelphia.

Store (alts.), 925-27 Market street, Philadelphia, \$2,000. Owners, Blauners, Inc., on premises. General alterations. Contract awarded to Harry R. Rust, 19 South Eighth street, Philadelphia.

Residences (2), East side Ryers avenue, North of Stanwood street, Philadelphia, \$7,000 total. Architect, private plans. Owner, John Corbett, 833 Fanshawe street, Philadelphia. Brick, 2 stories, 16x25 feet 10 inches, pine floors, hot water heat, electric light. Contract awarded to Louis Seifin, 1334 Cottman street, Philadelphia.

Stores (10) (alts. and repairs), 711-29 Race street, Philadelphia, \$5,500. Architect, private plans. Owner, William J. Munchan, Northeast Corner Fifty-second and Walnut streets, Philadelphia. General alterations and repairs. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Residence and Store (alts.), 1600 Addison street, Philadelphia, \$5,000. Architect, private plans. Owners, Allen Brothers, 426 South Sixteenth street, Philadelphia. General alterations. Contract awarded to Weiss Const. Co., 901 Walnut street, Philadelphia.

Store and Residence (add. and alts.), 2203 West Lehigh avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Gregoris N. H. Sara, on premises. Brick, 1 story add., 15x3 feet, general alterations. Contract awarded to E. L. Cuthbertson, 334 Roxborough avenue, Philadelphia.

Residence and Store (add. and alts.), 2101 Ontario street, Philadelphia, \$3,000. Architect, private plans. Owners, Blum & Brown, Fifteenth and Chestnut streets, Philadelphia. Brick, 1 story side add., 50x6 feet, general alterations. Contract awarded to Katz & Kleiman, 1538 North Hutchinson street, Philadelphia.

Residence (alts.), Southwest Corner Devoreaux and Jackson streets, Philadelphia. Architect, private plans. Owners, Lehman & Snyder, York road and Erie avenue, Philadelphia. General alterations. Contract awarded to Rumpf & Kohlmeier, 1629 Wyoming avenue, Philadelphia.

Bank, Northwest Corner Sixth and Erie avenue, Philadelphia, \$52,000. Architect, private plans. Owners, Erie National Bank, 3824 North Fifth street, Philadelphia. Brick, concrete, 1 story, 30x70 feet, slag roof, steam heat, electric light, cement work. Contract awarded to William Steele & Sons Co., 124 North Fifteenth street, Philadelphia.

Garage, West side of James street, South of Grant avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Louis C. Brunner, Torresdale, Philadelphia. Concrete block, 1 story, 34x100 feet, slag roof, cement floors. Contract awarded to Clarence S. Page, Cornwells Heights, Pa.

Store and Storage Building, 914 Bainbridge street, Philadelphia, \$4,000. Architect, private plans. Owner, Germaro D'Genova, Southeast Corner Seventh and Pemberton streets, Philadelphia. Brick, 2 stories, 23x50 feet, slag roof, electric work. Contract awarded to C. D. Nunzio, 256 North Sixty-fourth street, Philadelphia.

Residence and Store (alts.), Southwest Corner Seventeenth and Lombard streets, Philadelphia. Architect, private plans. Owner, William Wishnow, 5817 Chestnut street, Philadelphia. General alterations. Contract awarded to A. Shestack, 5829 Chestnut street, Philadelphia.

Residence (alts.), 519-21 Burnham road, Philadelphia, \$6,300. Architect, private plans. Owner, Sidney L. Marcus, on premises. General alterations. Contract awarded to The Gay Company, Inc., 901 Lewis Building, Philadelphia.

Residence (alts.), 2406 Amber street, Philadelphia, \$2,500. Architect, private plans. Owner, Mrs. Lydia Mills, on premises. General alterations. Contract awarded to Louis Manfredi & Co., Mifflin and Hemberger streets.

Residence (alts. and add.), 3104 North Twenty-ninth street, Philadelphia, \$2,400. Architect, private plans. Owner, Peter Hughes, on premises. Brick, 1 story add., 15 feet 6 inches x 14 feet, general alterations. Contract awarded to William G. Buckley, Willow Grove, Pa.

Store (alts.), 1332 Chestnut street, Philadelphia, \$2,000. Owners, Louis Mark, Inc., 1227 Market street, Philadelphia. General alterations. Contract awarded to Ramos & Wiggins, 732 South Fifty-first street, Philadelphia.

Store (alts.), 110-12 North Fifth street, Philadelphia, \$2,000. Owner, August Bilv, on premises. General alterations. Contract awarded to Paul Brosz, 2513 West Huntingdon street, Philadelphia.

Building (alts.), 1704 Walnut St., Phila. Architects, Hahn and Baylinson, 629 Chestnut St., Phila. Owner, Fur and Millinery Shop, on premises. Hardware, brickwork, stairwork, cabinet work, carpentry and millwork, plastering, metal lath, iron work, cement and concrete, oak floors, tile and marble work, bulk windows, steel sash, cut stone, painting and glazing. Contract awarded to Wm. Smello, Germantown & Cheltenham Ave., Phila.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

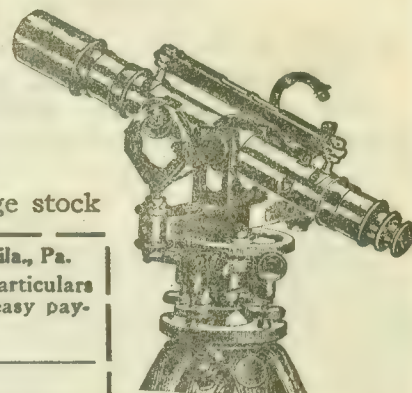
J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.

Without obligation send me full particulars about the Weilco Level and your easy payment plan.

Name _____

Address _____



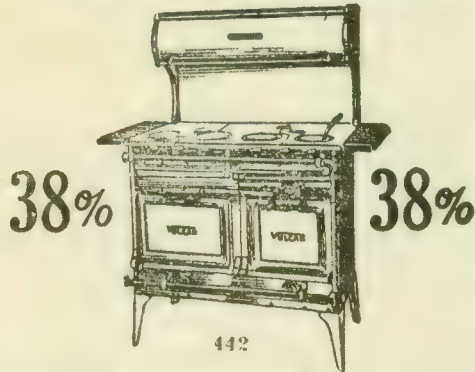
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

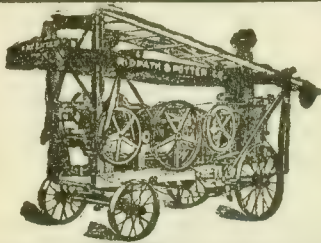
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.

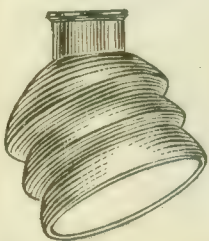


You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Office Building, S. W. Cor. 15th and Walnut Sts., Phila. Architects, Ritter & Shay, Packard Bldg., Phila. Owner, Wiltshire Realty Co., I. Mirkil & Co., Widener Bldg., Phila. Brick, limestone, steel, 22 stories and 2 basements, 150x60 feet, slag roof, cement floors, steam heat, electric light, tile work, metal lath, ornamental iron work. Plans in progress. Contract awarded Thompson Starrett Co., Packard Bldg., Phila.

Residences (12), S. side Fern st., E. of 5th St., Phila., \$54,000. Architect, private plans. Owner, Emma McMaster, Fairhill and Cheltenham Ave., Phila. Brick, 2 stories, 15x27; 11x12 feet, slag roof hardwood and pine floors, electric light. Contract awarded to Louis Braeunig, Jr., 5126 N. 5th St., Phila.

Warehouse (Repairs), 515-17 Lombard St., Phila., \$10,000. Architect, private plans. Owner, Adolph Mark, 2207 N. Broad St., Phila. General fire repairs. Contract awarded to LeRoy Mark, Camac street and Medary avenue, Phila.

Gas Station, N. E. Cor. 16th and Belfield Ave., Phila., \$3,000. Architect, private plans. Owner, Harry Lipschultz, Broad and Windim Ave., Phila. Brick, 1 story, 19x16 feet. Contract awarded to A. Raymond Raff Const. Co., 1635 W. Thompson St.

Pennsylvania Construction News

Swimming Pool, Lansdowne, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Vincent's Home, Lansdowne, Pa. Reinforced concrete. Plans in progress.

Residence, Swarthmore, Pa. Architect, J. Linerd Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Hollow tile, stucco, 2½ stories, 30x50 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work (3 baths). Plans in progress.

Cottages (31), Norman Park, Cheltenham Township, Pa. Architect, J. Naschold, 5234 North Second street, Philadelphia. Owners, Morris Goodstein & Co., care of architect. Stone, brick, stucco, various types and sizes. Plans in progress.

Single Cottage and One Pair Cottages, Hastings avenue, South Ardmore, Pa. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owners, Morris Goodstein & Co., care of architect. Stone, brick, stucco, 2½ stories. Plans in progress.

Theatre (alts.), Market street, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Wilmer & Vincent Co., care of Mr. Hopkins, Third and Mar-

ket streets, Harrisburg, Pa. Partitions, hardwood floors, electric work, tile work. Plans in progress.

Factory, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Nuss Brothers, care of architect. Brick, cinder block, steel, 3 stories, 75x25 feet, composition roof, wood and concrete floors, electric light, steel sash, iron stairs. Plans in progress.

Residence and Garage, Elkins Park, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owner, name withheld. Plans in progress.

Schools (4) (add. and alts.), Wilkes-Barre, Pa. Architect, Robert Ireland, 81 North Washington street, Wilkes-Barre, Pa. Owners, Wilkes-Barre School Board, F. S. Siegfried, secretary, 81 North Washington street, Wilkes-Barre, Pa. Brick. Work contemplated. Too early for details.

Garage, Waynesboro, Pa. Architect, R. A. Stair, Guardian Trust Building, York, Pa. Owner, W. C. Stoner, Waynesboro, Pa. Brick, 1 story, 21x25 feet. Plans in progress.

Bridge, over Darby Creek, between Clifton Heights and Upper Darby, Pa. Owners, County Commissioners, Media, Pa. Concrete. Work contemplated. Plans in progress.

Bridge, Birdsboro, Pa. Chief engineer, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete. Preliminary plans in progress.

Residence, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, William Ziegler, care of architect. Brick, 2½ stories, 29x39 feet, 17x17 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect ready for bids.

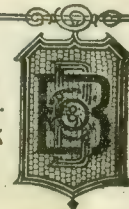
Residence, Collingdale, Pa. Architect, C. W. Wells, 3617 North Broad street, Philadelphia. Owner, E. G. Blank, Thirtieth and Walnut streets, Philadelphia. Block, stucco, 2½ stories, 23x28 feet, asphalt roof, oak and pine floors, hot water heat, electric light. Owner will take bids.

School, Steelton, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, St. Mary's Roman Catholic Church, Steelton, Pa. Brick, steel, 2 stories, 56x104 feet, maple floors, safety treads, roof ventilators, steam heat, electric light. Plans in progress. Will be ready for bids in about one week.

Convent Building, Minersville, Pa. Architects, Henry D. Dagit & Sons Co., 1329 Race street, Philadelphia. Owners, St. Vincent De Paul Parish, Minersville, Pa. Brick, cut stone, 3 stories, 35x60 feet, slag roof, oak floors, vapor heat, electric light, tile work. Plans in progress. Ready for bids in 3 weeks.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Club House, Marple Hills, Pa. Architect, Stanford B. Lewis, 1713 Sansom street, Philadelphia. Owners, Paxton Hollow Golf Club, care of S. B. Lewis, 1713 Sansom street. Stone. Architect ready for bids about April 1st.

Buildings (13), West Conshohocken, Pa. Designed by The Fuller Co., Catasauqua, Pa. Owners, Valley Forge Cement Co., West Conshohocken, Pa. Reinforced concrete, 1 and 2 stories, sizes ranging from 40 feet, 60 feet to 80 feet wide to 60 feet to 250 feet long, cement or asphalt shingle roof, cement floors, ventilators, hollow metal skylights, rolled steel sash, steam heat, electric light. Owners will build and will take sub-bids.

Sales and Service Building (alts. and add.), Old York road, Jenkintown, Pa. Architect, C. L. Caspary, 1510 Chestnut street, Philadelphia. Owners, Cole-Chevrolet Co., on premises. Brick, limestone, 2 stories, 26x141 feet, slag roof, cement floors, pine floors, linoleum, electric elevators, structural steel, plumbing, steam heat, electric light. Architect will be ready for bids in a few days.

Residence (alts. and add.), Sugartown, Chester County, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, Arthur C. Pierce, on premises. Shingle roof, painting, stone work, warm air heat, electric light, plumbing, tile work, carpentry and mill work, hardware, plastering. Architect taking bids due March 8th.

High School, Carlisle, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Carlisle School Board, Thomas Vale, secretary, Carlisle, Pa. Brick, steel, concrete, 2 stories, 202x62 feet, built-up roof, maple floors, composition floors, hollow tile, safety treads, roof ventilators. Architects taking revised bids due March 4th.

School Building (first section), Centralia, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ignatius Roman Catholic Church, Rev. J. H. Melchior, on premises. Brick, 2 stories, 35x80 feet (heating, plumbing, electric reserved), slag roof, maple floors. Architect taking bids due March 10th.

School, Shartlesville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Upper Bern Township School District, John S. Berger, secretary, Shartlesville, Pa. Brick, 1 story and basement, 58x83 feet, slag roof, composition floors, roof ventilators, metal weather strip, bond (heating, plumbing, electric separate), metal lath. Owners taking bids due March 19th.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Mrs. J. M. Frame, 301 Windsor street, Reading, Pa. Brick, stone, stucco, 2½ stories, 35x65 feet, slate roof, hardwood floors, hot water heat (heating, plumbing, electric separate), tile work, flagstone. Architect taking bids due March 3rd.

Chapel, West Fairview, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, care of Bishop P. R. McDevitt, 111 State street, Harrisburg, Pa. Frame, brick, 1 story and basement, 75x38 feet, shingle roof, pine floors, steam heat, electric light. Architect taking bids due March 4th.

Store and Residence, Sellersville, Pa. Architect, I. Demchick, 1701 Chestnut street, Philadelphia. Owner, Louis Stein, Sellersville, Pa. Brick, steel, 2 stories, 25x75 feet, slag roof, hardwood and composition floors,

vapor heat, electric light, tile work. Architect taking bids due March 5th.

Store and Apartment, Hanover, Pa., \$150,000. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owner, J. K. Jordan, Hanover, Pa. Steel, brick, 3 stories, 28x180 feet, slag roof, hardwood floors, tile work, steam heat, electric light, metal lath, steel skylights, copper work, iron stairs. Owner taking bids.

Residence, East Jenkintown, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Robert Carnwath, American and Cumberland streets, Philadelphia. Architect taking bids due March 7th at noon.

Fraternity House, State College, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Phi Kappa Sigma Fraternity, R. Cummings, secretary, State College, Pa. Stone, 3 stories and loft, 120x100 feet, slate roof, hardwood floors, ornamental iron, tile and marble, steam heat, electric light. Architect taking bids due March 12th.

Boiler, Eyre School, Chester, Pa. Owners, Chester School District, C. E. Sanderson, secretary, Chester, Pa. Furnish and instal a W-2907 Ideal Eater Tube Functional Boiler. Certified check, 10 per cent. Owners taking bids due March 7th, 8 P. M.

Bridge, Melford Mills, Chester Co., Pa. Architect, H. K. Ellis, West Chester, Pa., or Phoenixville, Pa. Owner, Chester County, West Chester, Pa. Steel plate, girder type. Owner taking bids due March 14th.

Unionville Consolidated School (alts.), Chester Co., \$160,000. Owner, Consolidated School Board, Donor, Pierre S. DuPont, Wilmington, Del. Work contemplated.

High School, Norristown, Pa. Architects, Ritter & Shay, Packard Bldg., Phila. Owner, School Dist. of Norristown, Pa. Low bidders: Bid A—marble instead of terra cotta. Bid B—limestone instead of terra cotta or marble, D. Lutz, 23rd and Chestnut Sts., Phila. \$387,700—A add. \$47,500; B add \$1,000. P. H. Kelly, 1713 Sansom St., Phila., \$398,773; A add \$40,000; B subtract \$4,000. Electric, Crissman & Quillman, Norristown, Pa., \$12,988; Plumbing, J. Borden, 637 N. 19th St., Philad., Pa., \$20,354; Heat and Vent., Crissman & Quillman, Norristown, Pa., \$31,800.

Bridge, Williams Corner, near Phoenixville, Pa. Architect, W. K. Ellis, West Chester, Pa., or Phoenixville, Pa. Owner, Chester County Commissioner, West Chester, Pa. Steel plate girder type. Owner will be ready for bids in a few days.

Mill, Willow Grove, Pa. Architect, private plans. Owner, Max Marschner, Willow Grove, Pa., Steel, brick, slow burning, 1 story, 100x100 feet, slag roof, concrete floors, vapor heat,

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

CASUALTY
FIRE
INSURANCE

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

SURETY
BONDS

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

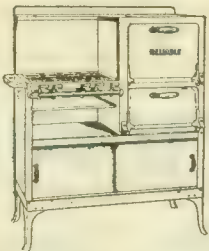
All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private homes
and are equipped with coil, box or fabric springs

Write for our descriptive literature or
display rooms. See our all porcelain
equipment and Murphy cabinet ironing
well as samples of the Murphy



THE MURPHY DOOR BED

512 Bulletin Building
Philadelphia
Penna.

Berk
19 We

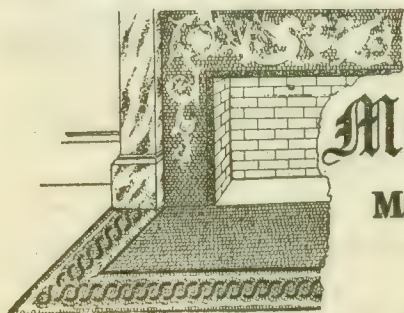
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertainty
of cement floor finish. Furnished in crystals
the job. This results in economy. For further

**WAREHOUSE STOCK
IN PHILADELPHIA**

'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

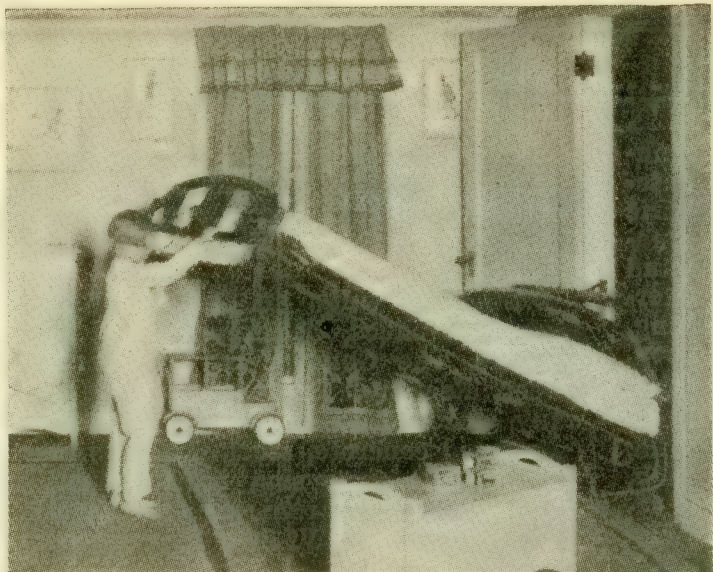


EDS

mes
ngs

all at our
in kitchen
boards as
eds

CO.
Building
44th Street
York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



Instead of Leaky Shower Bath Curtains **LEHMAN SPRAYSHIELDS**

PLATE GLASS AND SOLID NICKLE SILVER
FOR BATH TUB SHOWERS AND STALL SHOWERS

Sanitary, beautiful, watertight,—Easy to attach, in new and old homes.
Sold by the leading supply houses. Hundreds used by operative builders.
A Philadelphia patented product. Factory guarantee and installation

Designed Right
Priced Right

L. H. LEHMAN
1210 North 8th Street
PHILADELPHIA

"Don't Bathe
In a Tent"

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

EMPERITE

m Freezing

s to time for first trowelling
m, all water being added at
ormation, ask

e Truscon
poratories



Phila. Office :
1505 Race Street

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

electric light, rolled steel sash, fire doors. Owner taking bids due March 1st.

Convent, 850 Frankford Ave., Holmesburg, Pa. Architect, G. Cleveland Freeman, Liberty Bank Bldg., Reading. Owner, St. Dominic

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE
LIMESTONE
GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

R. C. Parish, Rev. H. J. Connor, 8504 Frankford Ave., Phila. Stone, 3 stories and basement (plumbing, heating, reserved), electric light, metal lath, rolled steel sash, bond, ornamental iron work, Bangor slate roof, pine and cement floors, integral and mambrane waterproofing, canvass floors, celotex sheathing. Architect taking bids due March 12th at noon.

Sales and Service Building (alts. and adds.), Old York Road, Jenkintown, Pa. Architect, C. L. Caspary, 1510 Chestnut St., Phila. Owner, Cole Chevrolet Co., on premises. Brick, limestone, 2 stories, 26x141 feet, slag roof, cement floors, pine floors, linoleum, electric elevators, structural steel, plumbing, steam heat, electric light. Architect taking bids due March 7th at noon.

Stores and Offices (14), Burmount and Fern Blvd., Aronimink, Drexel Hill, Pa., \$200,000. Owner, Knatz-Cooke Co., 69th and Market streets, Phila. Brick, 2 stories. Work contemplated. Plans in progress.

Theatre, Narberth Ave., Narberth, Pa. Architect, J. Ethan Fieldstein, Otis Bldg., Phila. Owners, Salasin & Freed, 33 E. Spring Ave., Ardmore, Pa. Brick, terra cotta, steel, concrete, 2 stories, slag roof, maple and cement floors, plate glass, metal bulks. Plans about completed. Owners will start work March 15th.

Pennsylvania

Contracts Awarded

Junior-Senior High School, Hughesville, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Hughesville School Board, Charles Grittner, secretary, Hughesville, Pa. Brick, limestone, steel, 2 stories and basement, 103x73 feet, wing 46x100 feet, built-up roof, yellow pine and cement floors, hollow tile, cast stone, composition floors, steel lockers, hollow metal partitions, ornamental iron, bond, kalamein doors, tile work, metal lath. Contract awarded to Albert Boyer, Northumberland, Pa. Plumbing to Edwards Hardware Co., Mundy, Pa. Electric to Otis Garthoff, Williamsport, Pa.

Residence, Lakeside road, Ardmore, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, J. Clifford Shawde, care of architects. Stone, brick, cinder block, stucco, 2½ stories and basement, 43x42 feet, shingle roof, oak, pine and cement floors, metal lath, tile work, rolled steel sash, ornamental iron work, treadlite and linoleum floors, flagstone, bluestone. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

Nurses' Home, Lewistown, Pa. Architects, Witman & Royer, 41 East Market street, York, Pa. Owners, Lewistown Hospital, N.

S. Boyer, Lewistown, Pa. Brick, steel, 3 stories and basement, 65x33 feet, slate roof, pine floors, vapor heat, electric light, tile work. Contract awarded to W. D. Steinbach & Son, Lewistown, Pa.

Warehouse (alts. an dadd.), Fourth and Melrose avenues, Chester, Pa., \$100,000. Architects, The Gondos Co., 800 North Tenth street, Reading, Pa. Owners, Rogers & Albany Warehouse Co., Inc., on premises. Brick, reinforced concrete, steel, 4 stories and basement, 83x93 feet, slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded to William Provost, Jr., Chester, Pa.

Church, Hampden Heights, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Lutheran Church of the Nativity, George D. Horst, 518 Court street, Reading, Pa. Stone, steel, 1 story, basement, 40x110 feet, slate roof, hardwood floors, vapor heat, electric light, metal lath, ornamental iron, iron work. Contract awarded to J. C. Dethoff, 822 North Twelfth street, Reading, Pa.

Church, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, Union Lutheran Church, care of Andrew W. Smyser, York, Pa. Stone, 1½ stories, 74x140 feet. Contract awarded to L. D. Menough & Son, 450 West Philadelphia street, York, Pa.

Residence and Garage (alts. and add.), Villa Nova, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owners, McIlvaine & Co., care of architect. Carpentry and mill work, plastering, metal lath, plumbing, electric work, iron work, painting and glazing. Contract awarded H. G. Campion, Otis Building, Philadelphia.

Express Building, Mt. Carmel, Pa. Architect, Otto G. Herold, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Frame, 1 story, 50x26 feet, slate roof, pine floors, steam heat, electric light. Contract awarded Elias Strauser, Mt. Carmel, Pa.

Bridge, Summiton, Pa. Chief engineer, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading, Twelfth and Market streets, Philadelphia. Reinforced concrete. Contract awarded John H. Wickersham, Lancaster, Pa.

Church and Sunday School, Columbia, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Lutheran Church, Rev. Dr. A. Mehrkam, Columbia, Pa. Brick, 1 story and basement. Contract awarded to W. C. Zook, 145 N. Carcord St., Lancaster, Pa.

Church (add.), Stoney Creek Mills, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owners, Bethany Union Sunday School, Charles Erb, Reading, Pa. Stone, 1 story, 50x73 feet, Johns Manville roof, cement and wood floors, steam heat, electric light. Contract awarded to D. H. Hunter, 825 Mulberry street, Reading, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

PHILADELPHIA

Yesterday and Today



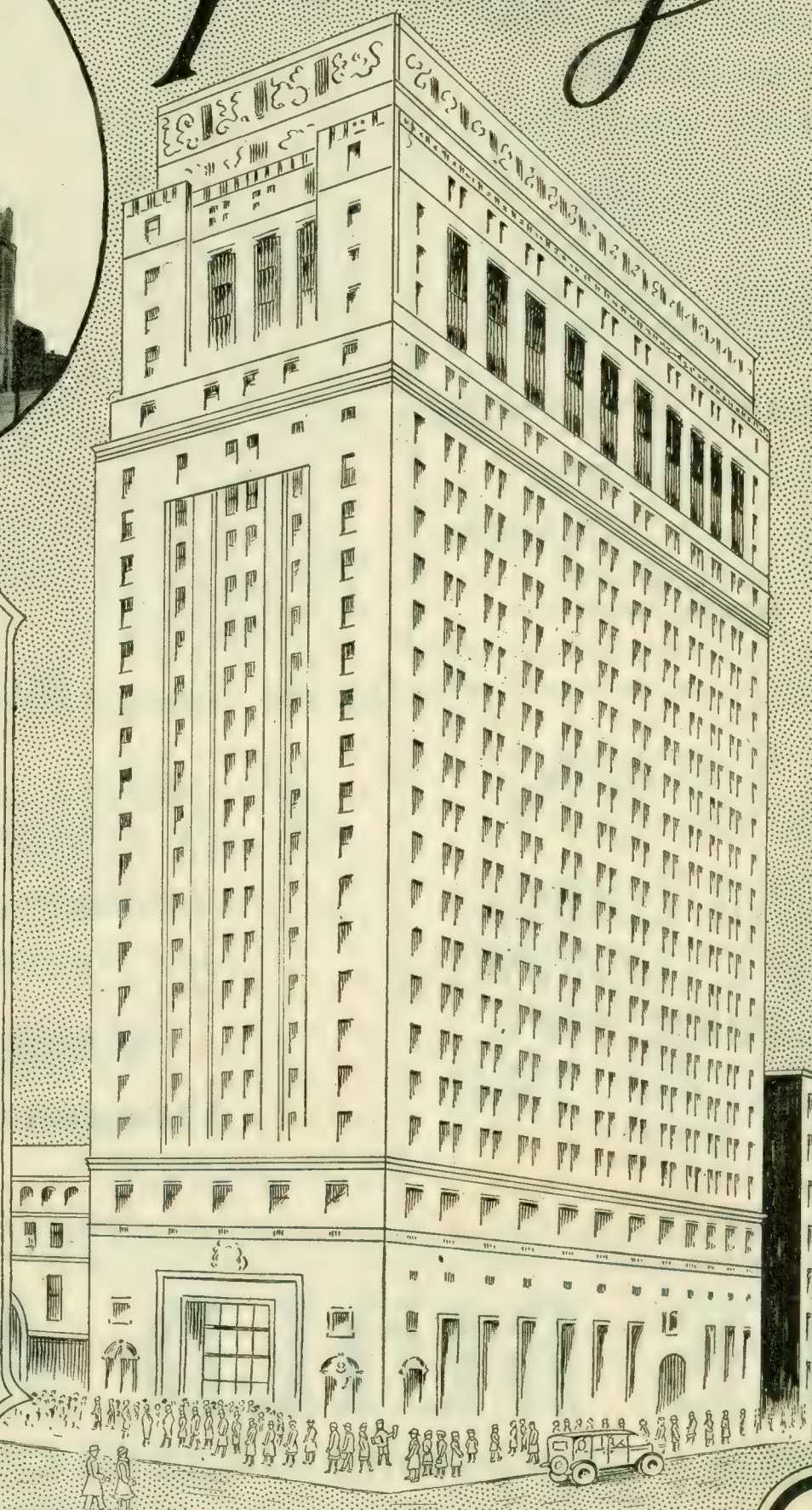
Southeast Corner Fifteenth & Chestnut Sts.

On this corner now stands a structure, beautiful to the eye, a real triumph of the builders' art.

Modern inventions and methods make possible modern comfort and convenience.

There is not a city in the whole world that so reflects the onward march of progress as does Philadelphia.

THE VAN SCIVER CORPORATION
Contractors' and Builders' Supplies
EXECUTIVE OFFICES
THE PARKWAY AT 24TH STREET
PHILADELPHIA



The man with an order to place doesn't hunt you up in the city directory these days. He hasn't the time. If he can't find you in your trade magazine he can and does find somebody else, and that somebody else books the order.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR
BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

New Jersey Construction News

Schools (2), Camden, N. J. Owners, Board of Education, Camden, N. J. Work contemplated.

Bank Building, probably Yorkship Square, Fairview, N. J. Owners, Fairview Bank, S. Raymond Dobbs, 2957 Yorkship Square, Fairview, N. J. Work contemplated.

Labor Lyceum, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Workman Circle, No. 90, care of architect. Brick, steel, limestone, 3 stories, 50x100 feet, slag roof, maple floors, hollow tile, ornamental iron, iron stairs, tile and marble, vapor heat, electric light. Revised plans in progress.

New Front Strand Theatre, Boardwalk, Ocean City, N. J. Architects, Hodgins & Hill, 230 South Fifteenth street, Philadelphia. Owners, Strand Theatre, Ocean City, N. J. New marquis and doors. Owners will build.

Garage (add.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Niedt-Ertel Motor Co., 352 South Broad street, Trenton, N. J. Brick, steel, reinforced concrete, second story add., built-up roof, concrete floors, roof ventilators, iron stairs, fire doors, steel sash and skylights, heating extension, electric light, 60x180 feet. Architect about ready for bids.

Club House, Auditorium, Garage, Swimming Pool, Brigantine Beach, N. J. Engineers, Day & Zimmerman, 1600 Walnut street. Owners, Brigantine Golf Club, Brigantine Beach, N. J. Brick, stucco, steel, stone, 2 and 3 stories and basement, irregular in size, tile roof, cement, oak and pine floors, metal weather strip, steam heat, electric light, metal lath, tile and marble and terrazzo work, ornamental iron work, waterproofing and dampproofing. Engineers taking sub-bids due March 10th.

Residence, Woodbury, N. J. Architects, C. R. Peddle and S. Wasserman, associate, 136 South Fourth street, Philadelphia. Owner, Mr. Goodrich, Woodbury, N. J. Stone, 2½ stories, 30x60 feet, slate roof, hardwood floors, hot water heat, electric light. Architects taking bids due March 7th.

Work House, Lakeland, N. J. Engineer, Co. Engr., Camden, N. J. Owner, Camden Co. Board of Freeholders, W. T. Gross, Camden, N. J. Concrete, glazed tile, 1 story, 200x200 feet, including sleeping quarters, dining hall, kitchen, wash rooms and offices. Owner taking bids due March 7th.

New Jersey Contracts Awarded

Bank Building, Broadway and Spruce street, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Victory Trust Co., care of Meyer Wessel, Camden, N. J. Brick, steel, limestone, cut stone, reinforced concrete, 1 story, mezzanine and basement, 80x40 feet, slag roof, cement and oak floors, plumbing, metal window guards, shoring, waterproofing, dampproofing, architectural terra cotta, ornamental iron work, iron stairs, fire doors, rolled steel sash, tile, marble, metal lath, hot air heat, electric light, acoustical treatment, bronze work, dumb waiter, linoleum floors, area gratings, metal furniture, rubber floor, metal toilet stalls. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

School, Merchantville, N. J., \$144,531. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Merchantville, N. J. Contract awarded M. C. Pennell, Merchantville, N. J.

Building (alts. and add.), 1741 Boardwalk, Atlantic City, N. J. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Brunswick, Balke & Collender Co., Atlantic City, N. J. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Store (add. and alts.), 7 North Broad street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Palace Confectionery Co., on premises. Brick, stone, 4 and 3 stories, 26x45 feet, slag roof, plate glass, tile and marble, heating extension, electric light. Contract awarded to William C. Ehret, Trenton Trust Building, Trenton, N. J., on a cost plus basis.

Store (add. and alts.), 510 Federal street, Camden, N. J., \$5,000. Architect, A. B. Gill,

On the Ground When Wanted

CLAUSEN
TERRA COTTA
FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.

AN ambition to give your orders the kind of attention that will THOROUGHLY satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a REAL Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

328 Market street, Camden, N. J. Owner, Jack Cohen, 510 Federalstreet, Camden, N. J. Brick, 1 story add., 12x21 feet, slag roof, new store front. Contract awarded to Costanza Brothers, 1540 Mt. Ephraim avenue, Camden, N. J.

Service Station, Northeast Corner Broadway and Woodland avenue, Camden, N. J., \$3,000. Architect, Harold Allen, 538 Stevens street, Camden, N. J. Owners, Crusader Service Station, Broadway and Burlington avenue, Gloucester, N. J. Brick and block, 1 story, 18x24 feet, tile roof. Contract awarded to H. C. Paschall, 1493 Bradley avenue, Camden, N. J.

Miscellaneous Construction News

Office Building, Department of Agriculture, Washington, D. C., \$2,000,000. Architect, Rankin & Kellogg, 1805 Walnut St., Philadelphia. Owners, United States Treasury, A. J. Mellon, Washington, D. C. Granite, 2 stories, 150x175 feet. Preliminary plans in progress.

Miscellaneous Contracts Awarded

Alterations and Additions, 837 Market street, Wilmington, Del. Architect, Wallace E. Hance, Hollyoak, Del. Owner, James Lambros, on premises. Plumbing, steam heat, electric, demolition, stone, cement work, brick work, terra cotta, steel and iron work, painting, carpentry, mill work, pine floors, asbestos roof, metal lath, tile work. Contract awarded W. Edward Pierce, 1600 Arch street, Philadelphia.

Hospital (add.), Frederick, Md. Architect, E. D. Leber, Hay Building, York, Pa. Owners, Frederick City Hospital, Miss Neis, superintendent, Frederick, Md. Fireproof, 3 stories

and basement, 40x96 feet, composition roof, composition and rubber floors, hollow tile, elevators, roof ventilators, safety treads, iron stairs, ornamental iron, skylights, tile work, metal lath, heating extension. Contract awarded to L. C. Collier, Frederick, Md.

Proposals

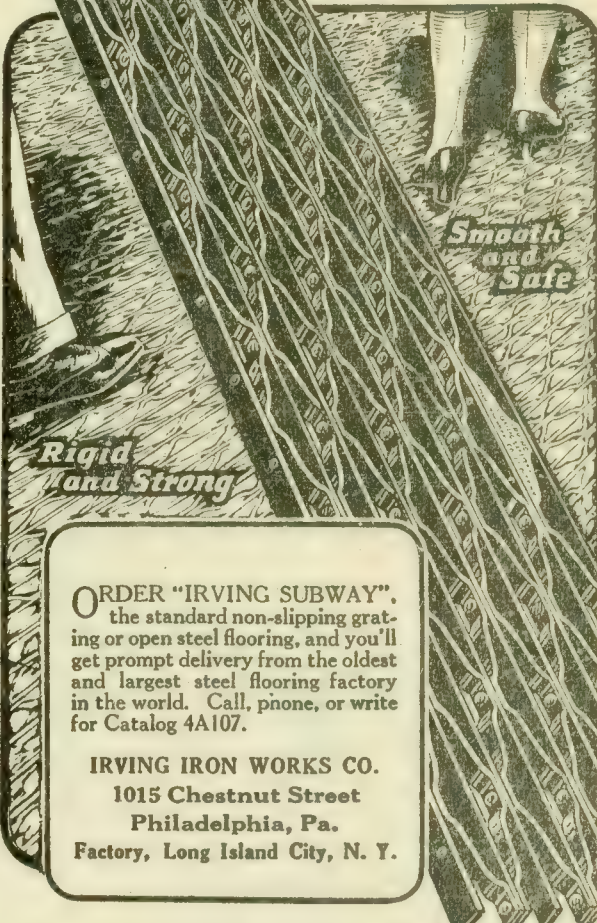
TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 15, 1927. Sealed bids will be opened in this office at 3 P. M., March 22, 1927, for the construction of the United States Post Office at Montclair, N. J. Drawings and specifications may be obtained from the Custodian of the Site at Montclair, N. J., or at this office, in the discretion of the Supervising Architect. James A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 24, 1927. Sealed bids in duplicate will be received until 3 P. M., March 24, 1927, and then publicly opened, for furnishing all labor and materials and performing all work for the construction of the United States Post Office at Bayonne, N. J. Drawings and specifications may be obtained from the Custodian of the Site at Bayonne, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

"Camouflage" doesn't pay in advertising. Don't call your cannon a bit of landscape. Be honest and gain the confidence of the public.

Don't be a Rip Van Winkle. Advertise and let everybody know you are awake and abreast of the times.

Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

A. HUSKEY

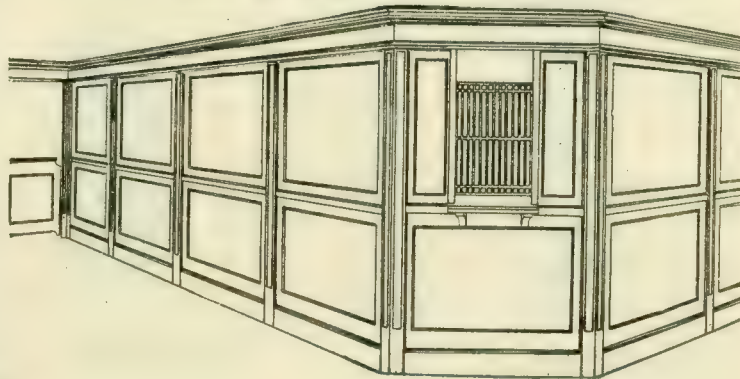
PORTABLE

MEYER COSSOY

OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

**STORE
FIXTURES**
FOR ALL KINDS
OF
STORES



**CABINET
WORK**
OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

ESTIMATED VALUES OF BUILDING PERMITS ISSUED IN CITIES
AND BOROUGHS IN PENNSYLVANIA DURING THE
MONTH OF DECEMBER

City or Borough	1926		1927	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	40	\$ 524,675	52	\$ 151,450
Altoona	37	39,135	25	78,590
Ambridge Borough	5	71,500	4	32,200
Berwick Borough	5	3,200	2	3,500
Bethlehem	15	80,150	20	38,500
Bradford	6	23,900	9	15,200
Bristol Borough	4	1,000	11	2,800
Butler* .....	..	.....	3	5,200
Carlisle Borough	18	83,997	19	41,235
Chester* .....	..	.....	34	88,260
Clairton	10	4,825	9	19,865
Coatesville	2	3,000	1	4,500
Connellsville* .....	..	.....	1	8,000
Donora Borough	..	No permits issued	..	..
Duquesne	9	6,150	10	23,321
Easton	11	56,505	12	48,140
Erie	67	236,635	62	121,015
Harrisburg	38	72,545	41	138,075
Hazleton	..	No permits issued	5	50,408
Homestead Borough	6	12,400	1	8,000
Jeannette Borough* .....	..	.....	6	42,100
Johnstown*	17	154,000	..	.....
Lancaster	35	201,835	29	34,007
McKeesport* .....	..	.....	10	76,800
McKees Rocks Borough ..	..	No permits issued	2	16,000
Meadville	6	45,250	4	4,575
Monessen	..	No permits issued	2	32,000
Monongahela* .....	..	.....	6	17,450
New Castle	23	74,520	21	57,320
New Kensington Borough* ..	..	.....	2	2,000
Norristown Borough*	37	32,774	..	.....
Oil City	11	35,200	11	15,500
Philadelphia	718	3,254,265	1,208	7,590,755
Pittsburgh	343	3,368,203	367**	3,822,705
Pottsville	6	673,300	4	8,400
Reading	100	193,175	109	128,600
Scranton	48	745,487	33	127,050
Shamokin Borough	15	32,725	7	11,325
Sunbury* .....	..	.....	2	19,075
Tyrone Borough*	6	10,000	..	.....
Uniontown	15	82,640	5	28,890
Warren Borough	4	2,960	14	42,820
Washington	6	24,525	9	21,220
Wilkes-Barre	50	77,725	36	72,178
Wilkesburg Borough	20	182,300	18	118,000
Williamsport	39	89,947	15	10,737
York	24	138,745	19	37,605
Total	1,796	\$10,639,193	2,260	\$13,215,371
Comparative Total	1,736	\$10,442,419	2,196	\$12,956,486

*Not included in Comparative Total. **Includes figures for Carrick borough.

Building operations during January, 1927, showed a drop of 19.4 per cent. under January, 1926, according to the reports submitted by building inspection offices in 36 Pennsylvania cities and boroughs to the Department of Labor and Industry. The estimated cost of building operations for which 1,736 permits were granted in the 36 cities and boroughs

during January, 1927, totaled \$10,442,419, representing a reduction of \$2,514,067 from the total for January, 1926. Notwithstanding this considerable loss, 22 of the 36 cities reported substantial gains in building volume over January, 1926. Thirteen localities reported decreased building activities. The building slump in Philadelphia exceeded by far

that of any other city. The volume of January building in Philadelphia dropped \$4,336,490, or 57 per cent. below the total for January of last year. The drop for Pittsburgh was not nearly so heavy, being only \$454,502, or 12 per cent., under last year. Other cities that showed losses in building volume of some consequence are Altoona, 50 per cent.; Clairton, 76 per cent.; Duquesne, 74 per cent.; and Harrisburg, 47 per cent. Hazleton, McKees Rocks, and Monessen granted no permits in January, 1927. Donora did not record the issuance of building permits in January of either year.

The losses in city building were confined largely to Philadelphia and Pittsburgh. Building operations in cities of 50,000 to 100,000 population and in some large boroughs have shown big gains. The 22 places that showed increased building in January, 1927, over January, 1926, were:

City	Increase	
	Amount	Per Cent.
Allentown	\$373,225	246
Ambridge	39,300	122
Bethlehem	41,650	108
Bradford	8,700	57
Carlisle	42,762	104
Easton	8,365	17
Erie	115,620	96
Homestead	4,400	55
Lancaster	167,828	494
Meadville	40,675	889
New Castle	17,200	30
Oil City	19,700	127
Pottsville	664,900	7,915
Reading	64,575	50
Scranton	618,437	487
Shamokin	21,400	189
Uniontown	53,750	186
Washington	3,305	16
Wilkes-Barre	5,547	8
Wilkesburg	64,300	54
Williamsport	79,210	738
York	101,140	269

The analysis of types of buildings in 28 cities for which building permits were secured in January, 1927, shows several items of considerable interest. Contrary to expectation, more than 60 per cent. of the building loss was in the one-family-dwelling class. This class dropped from 545 in January, 1926, to 218 in January, 1927, while the average cost of construction per single dwelling mounted from \$4,956 in January, 1926, to \$5,337 in 1927, an increase of 7.7 per cent. It was thought that the largest decline would be shown in buildings of the office, store, hotel, and industrial types.

To what factors the increased average cost of one-family-dwellings is attributable cannot be definitely stated. Price declines in primary building materials have probably been offset by increased wage

NEW BUILDINGS, ADDITIONS, ALTERATIONS AND REPAIRS IN PENNSYLVANIA FOR THE MONTH OF JANUARY

City or Borough	1927				1926			
	New Buildings		Additions, Alterations, Repairs, Etc.		New Buildings		Additions, Alterations, Repairs, Etc.	
	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
Allentown	28	\$ 500,400	12	\$ 24,275	46	\$ 138,000	6	\$ 13,450
Altoona	11	15,895	26	23,240	10	67,700	15	10,890
Ambridge Borough	4	67,500	1	4,000	2	31,500	2	700
Berwick Borough	4	3,150	1	50	1	2,500	1	1,000
Bethlehem	9	75,500	6	4,650	9	21,800	11	16,700
Bradford	3	4,100	3	19,800	6	14,300	3	900
Bristol Borough	1	300	3	700	11	2,800	..	.....
Carlisle Borough	15	78,747	3	5,250	15	40,235	4	1,000
Clairton	4	3,725	6	1,100	3	14,200	6	5,665
Coatesville	1	1,000	1	2,000	..	.....	1	4,500
Donora Borough .....	..	.....	No Permits Issued	.....	..	.....	No Permits Issued	.....
Duquesne .....	..	.....	9	6,150	4	21,500	6	1,821
Easton	3	42,345	8	14,160	8	29,540	4	18,600
Erie	38	187,525	29	49,110	48	77,625	14	43,390
Harrisburg	21	61,150	17	11,395	27	96,825	14	41,250
Hazleton .....	..	.....	No Permits Issued	.....	4	36,008	1	14,400
Homestead Borough	3	7,400	3	5,000	1	3,000	..	.....
Lancaster	14	188,725	21	13,110	16	27,315	13	6,692
McKees Rocks Borough .....	..	.....	No Permits Issued	.....	2	16,000	..	.....
Meadville	5	23,250	1	22,000	..	.....	4	4,575
Monessen .....	..	.....	No Permits Issued	.....	1	30,000	1	2,000
New Castle	17	48,130	6	26,390	15	52,450	6	4,870
Oil City	6	28,200	5	7,000	3	5,150	8	10,350
Philadelphia	232	2,594,260	486	660,005	720	6,909,475	488	681,280
Pittsburgh	250*	2,983,193	93*	385,010	272*	3,703,716	95*	113,989
Pottsville	2	670,000	4	3,300	4	8,400	..	.....
Reading	13	120,900	87	72,275	16	57,725	93	70,875
Scranton	22	715,499	26	29,988	23	75,050	10	52,000
Shamokin Borough	3	23,000	12	9,725	..	.....	7	11,325
Uniontown	15	82,640	..	.....	5	28,890	..	.....
Warren Borough	1	2,500	3	460	8	38,400	6	4,420
Washington	6	24,525	..	.....	9	21,220	..	.....
Wilkes-Barre	13	57,300	37	20,425	13	56,680	23	15,498
Wilkesburg Borough	19	172,300	1	10,000	17	117,000	1	1,000
Williamsport	15	59,150	24	30,797	6	3,475	9	2,262
York	10	131,200	14	7,545	6	22,200	13	15,405
Total	788	\$8,973,509	948	\$1,468,910	1,331	\$11,785,679	865	\$1,170,807

*Number of Permits—Buildings Not Given.

rates in building trades. No doubt superior design, appointments, and materials have had some share in the increased building cost. Another item of interest is that there is no slackening of small apartment building notwithstanding the common report that the market is surfeited with buildings of the multi-family type.

Prevalent opinion for building and construction is for another big year in 1927. January reports indicate that this year will fall below the levels of 1925 and 1926. Commercial and industrial building needs have been satisfied in most cities and single dwelling construction has not yet shown the expected increase. Public works and municipal improvements probably will constitute a large share of the 1927 volume of building.

BUILT-IN BEDS

In helping to secure the maximum efficiency of floor space in our modern homes, the built-in bed plays a most important part.

As a great majority of the buildings erected today are small residences, each one is a prospect for a built-in bed. An extra bed is a convenience in practically every household and where rooms can conveniently be made to serve a dual purpose, the built-in bed is an outstanding economy as it saves the erection of another bedroom which would be required.

In commercial buildings, factories, etc., such a bed may be conveniently used in the ladies' rest room. Here it occupies no space until an emergency arises when it can be easily brought into use. The

same is true of any first aid room. One or more beds can easily be brought into use when necessary while at other times the space is available for other purposes.

An additional use for beds of this type is in existing structures, remodeling work, etc. There is many an old fashioned building hard to rent that can be converted into small apartments by the use of built-in-beds and other built-in features. A case in point follows:

A woman who leased a large apartment building in Chicago for sub-renting found that renting 8-room apartments was a more difficult matter than she had anticipated when she leased the building. Tenants didn't seem to want such large apartments. This became very evident as apartment seekers, after viewing the vacant apartments, turned away with a

"No, I guess we don't care for so many rooms."

Her experience with these visitors, who failed to put their names on the "dotted line," convinced her that if she had smaller apartments to rent, at reasonable prices, in the high class neighborhood in which her apartment building is situated, she would get as many tenants of the class she desired as she could accommodate.

The question then was what to do about it. She was tied by up a lease, with an apartment building containing six 8-room apartments. The building was ten years old and her predecessor had experienced the same difficulty in sub-leasing the apartments. This does not mean that she was unable to rent most of the apartments, but if one apartment, renting at \$225 a month—which computed on an annual basis is 6% on an investment of \$45,000—remains vacant in a six apartment building, it cuts considerably into the profits. And she had no intentions of just making a bare living out of her business, with the danger of actual loss menacing her at all times.

Thousands of apartment owners through the United States today face the same situation and the same is true of landlords who rent rooms in large houses, originally occupied by wealthy families who have moved into other neighborhoods.

There was only one solution of this woman's problem, and that was to remodel the six 8-room apartments into smaller ones, which would rent for less money and meet the requirements of prospective tenants.

It was about this time that a representative of a built-in-bed manufacturer called upon her. She told him of her difficulties and he gave her the solution. Citing facts and figures, he showed her how easily the building could be remodeled, and how by the use of such beds, each of the many new small apartments could be made into pleasant living quarters, with ample space to provide a real home for the occupants.

These beds, he explained, when not in use, could easily be put up, out of the way, entirely concealed in closets, recesses in the wall, or by canopy draperies in harmony with the other decorations and the color scheme of the apartment.

He submitted floor plans which his company's Service Department had drawn up, showing her how the six large apartments could be remodelled into 36 one-room, two-room and three-room apartments, from which the income would be almost three times as great as that she would receive from six 8-room apartments if all were rented.

The owner followed the salesman's advice and now, a year later, his predictions have been fulfilled. There are 36 small

Type of buildings to be erected according to the permits issued in twenty-eight (28) Pennsylvania cities and boroughs for January, 1927, compared with January, 1926.

Type of Buildings	1927		1926	
	No.	Estimated Cost	No.	Estimated Cost
New Residential Buildings—Total ...	250	\$2,900,540	593	\$3,234,871
Housekeeping Dwellings:				
One-family dwellings	218	1,163,540	545	2,701,055
Two-family dwellings	11	154,500	30	322,816
One-family and two-family dwellings with stores or shops therewith	4	41,500	11	76,000
Multi-family (three or more families) dwellings	14	893,110	7	135,000
Multi-family dwellings with stores or shops therewith	2	48,000	..	.....
Non-Housekeeping Dwellings:				
Hotels	1	600,000	..	.....
New Non-Residential Buildings—Total	181	2,059,806	211	4,124,952
Amusement and recreation places ...	1	13,000	2	595,040
Churches	1	68,000	2	63,500
Factories, bakeries, ice-plants, laundries and other workshops	12	291,000	14	793,975
Garages, public	4	108,700	12	10,000
Garages, private, separate from dwellings	117	267,000	141	235,082
Gasoline and service stations	2	3,500	4	24,500
Institutions (public or private)	2	58,000	1	475,000
Office buildings, including banks	5	92,600	6	646,850
Public buildings (city, county, state) ..	1	11,347	..	.....
Public works and utilities	1	350,000	..	.....
Schools	3	416,809	1	1,025,000
Sheds, poultry houses, and other minor out-buildings	7	133,885	4	3,940
Stables and barns	4	1,070	1	600
Stores and other mercantile buildings..	18	241,295	21	221,240
All other non-residential	3	3,600	2	30,225
Additions, Alterations and Repairs—Total	499	835,473	487	1,157,175
On Residential Buildings:				
Housekeeping dwellings—all kinds ...	447	714,200	438	1,065,805
Non-housekeeping dwellings	8	3,768	10	40,200
On Non-residential buildings	44	117,505	39	51,170
Installations:				
Awnings, boilers, elevators, signs, etc..	150	61,990	244	33,596
Grand Total—All Buildings	1,080	\$5,857,809	1,535	\$8,550,594

apartments in the building and they are fully rented, while there is also a waiting list of prospective tenants. The apartments rent at \$60, \$80, and \$125, according to their size and location, and this woman has, in fact, almost tripled her income. The apartments were rented furnished, but little was needed as so much was built in.

It was by the installation of these beds that the success of her venture was made possible. They were easy to handle so that a child could manipulate them, save so much floor space, that, in effect, they give to each apartment one or two extra rooms, as each room furnished with a

built-in bed served two purposes—that of living room by day and a bedroom by night. If the regular type set-up bed had been installed, the sleeping room could only have been used for sleeping and dressing purposes; there would have been no place for entertaining guests and the room could not have been used as a living room.—*Building Age and National Builder.*

If your sales-talk is keyed to interest men who build it should occupy space every week in the "Guide," the only building news magazine this side of Manhattan Island.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard Sts., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.331 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. and "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co., 5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph, South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co., Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Chelton Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co., Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.

Selby Battersby & Co., 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES

Edwin Elliott Co.560 N. 16th St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.

Camden Tile Co.Camden, N. J.

Italian Marble Mosaic Co., 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F. Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

Phila. Building Material Co., 1209 N. Taney St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co., 1126 So. 11th St., Phila.

Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING

Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

The Car Skidded

And then someone discovered that his broken window or smashed fence was his dearest possession and put in a bill of damages to prove it.

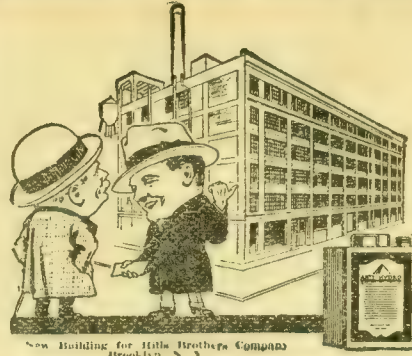
And the automobile owner paid—because his insurance didn't cover damage to the property of others.

Your agent can get you automobile policies covering property damage, collision, public liability, fire and theft. How well are you insured?

**Insurance Company of
North America**
PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



"ANTI-HYDRO" Preserves the Concrete Floors in this Preserving Factory

The concrete floors in this building are subjected to the action of fruit juices, acids and chemicals which would ordinarily deteriorate them if the concrete were not protected with "ANTI-HYDRO" throughout the one-inch topping.

In addition to making concrete acid, alkali and oil resisting, "ANTI-HYDRO" also permanently hardens and waterproofs concrete—all in one operation.

"ANTI-HYDRO" is an indispensable time and money saver in cold weather because it lowers the freezing point of concrete and cement mortars to 15 degrees F. This makes it possible to work during freezing weather and to complete your contracts on time with prompt payments.

Because "ANTI-HYDRO" is a liquid integral compound, it mixes easily with the gauging water—no skilled labor is required.

The 22-year record of "ANTI-HYDRO" results is proof of its permanence. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 10
March 9, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO. IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED DETAILED
FABRICATED ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

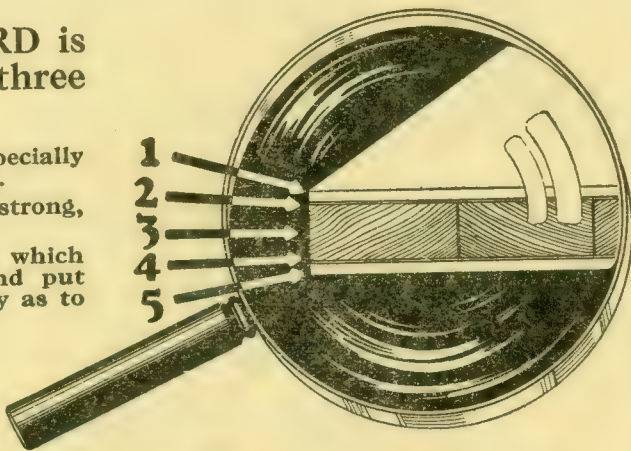
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

In Placing a Contract—

The following are often disregarded in
grasping a cheap price:

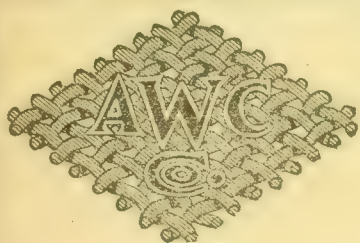
Years in business,
Experience in this class of work,
Standing in the Community,
Personal references,
Financial Rating and Credit Standing,
Reputation for fair dealing,
Possible reciprocity,
Organization and personnel in back of contract.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**

Ceresit Waterproofing Corp. **OF CHICAGO**

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

**Phila. Building Materials Co.
JOHN F. DAKIN**

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

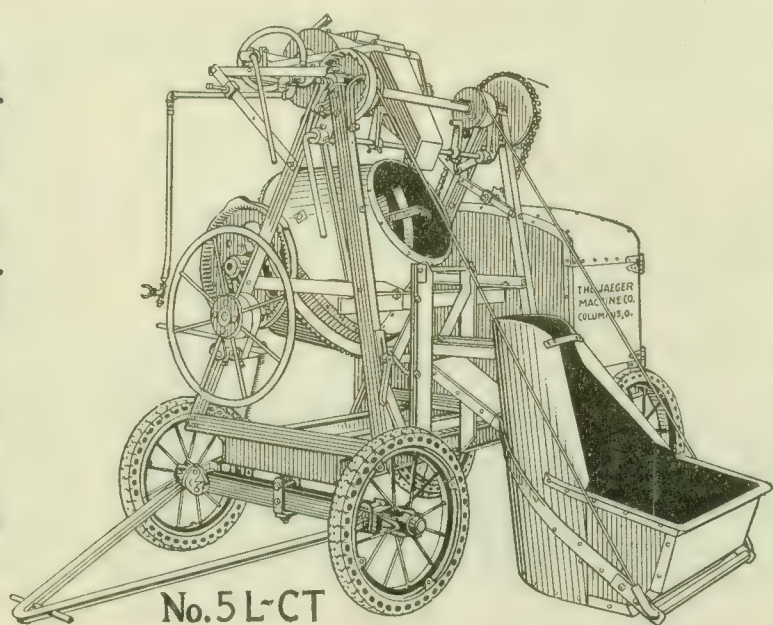
**FABRICATED STEEL
IRON BARS**

**RICHARD DeCOU CO.
Steel Warehouse**

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
S

No. 5 L-CT

S
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

*CONTRACT and JOBBING TRADE
SUPPLIED*

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street
PHILADELPHIA

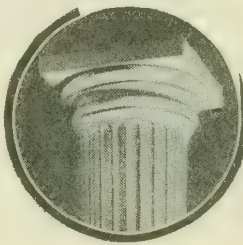
Jefferson 6800

East 7785

EXPANDED METAL LATH

KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**

**UNION METAL COLUMNS**

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH**

**SHEETROCK
WALL BOARD**

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

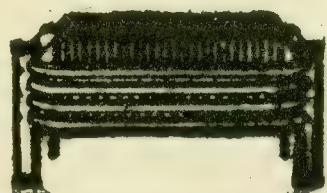
1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Go to **HENRY M. MILLER**

50 North 2nd Street

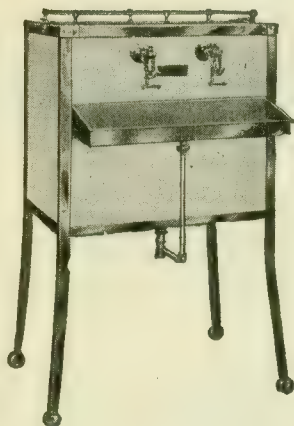


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street
Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 10

PHILADELPHIA
March 9, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



PUBLIC LOOKS TO ENGINEER TO THAW OUT FROZEN PRACTICES

An Address by LEE H. MILLER, *Chief
Engineer, American Institute of
Steel Construction, Inc.*

When structural steel first began to come into use in England, an English engineer in drawing up the specifications for the composition of the steel to be used for a certain structure, expressly stated that the steel must contain no copper.

The specification made its way to America. American engineers, with little or no experience in the use of the new structural material, decided that the Englishman's specification was a good one to follow. They didn't know why he had out-lawed copper, but they felt that he must have had sufficient reason for the taboo.

For years, specifications for structural steel in this country and England contained a proviso against any trace of copper. Then someone discovered that the presence of copper was one of the best guarantees against the possibility of corrosion. Engineers began to wonder why copper had ever been banned.

A short investigation disclosed the rea-

son. The Englishman had had nothing against copper. He simply had not known what the effect of the copper would be; so he had made up his mind to play safe by making sure that the steel he used didn't contain any.

First ignorance, and then a blind following of precedent, were responsible for the taboo against an element that is now recognized as going far to assure a potential life span of almost unlimited duration for our great steel frame structures.

Since the initial use of steel as a building material we have made tremendous advances in technical knowledge. There may be some incompetent structural engineers, just as there are incompetent doctors or incompetent business men, but ignorance of essential facts no longer imposes a serious handicap upon the construction industry.

There rests upon the engineering profession, however, an obligation to the public which extends beyond the boundaries of technical skill—beyond doing what we are paid to do and no more. The tendency towards inertia in industrial development must be offset by the alertness of the engineer to apply the results of research and investigation.

We who design and erect the nation's

buildings and bridges must not be governed by the process of reasoning which influenced the early structural engineers who took it for granted that the Englishman knew what he was doing when he kicked copper out the back door.

It is true that change for the sake of change alone will get us nowhere. But it is equally true that a distrust of change because it is change will bring progress to a standstill.

Stagnation, if not disaster, is inherent in the inclination in some quarters to believe that because a certain type of structure has always done well enough, it will continue to serve; that because methods are hoary with precedents they must be based upon almost divine authority.

The recent Florida hurricane gave a rude jolt to such an attitude. Many years of exemption from severe storms had lulled builders and the general public into the belief that the peninsula was secure from the visitations of such devastating outbursts of nature, and that any structure capable of sheltering the people under normal conditions was plenty good enough.

The consequence was that thousands of buildings, entirely comfortable and adequate when the sun shone and the gentle

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE PAGE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

trade winds blew, went down like houses of cards when suddenly swept by a tempest of gigantic proportions.

We know now, after an appalling loss of life and property, that certain essential precautions were entirely overlooked because of a false sense of security. We know, too, that if these precautions are taken we can build to resist the hurricane.

The Florida disaster taught us that structures in hurricane areas must be able to endure not only the steady force of the wind, but a series of tremendous gusts which buffet them now from one direction, now from another—which shake them as a terrier shakes a rat. We have seen that the vacuum created on the side of the building not exposed to the wind exerts a more dangerous force than the direct impact of the gale.

It has been brought home to us that, in addition to the wind pressure, the force of the rainfall must be provided against. Mr. F. E. Schmitt, an Associate Editor of *Engineering News-Record*, who made a survey of the devastated area, has stated that in his opinion the rain was hurled against the buildings with a force equivalent to that of a hose stream under 250 pounds pressure.

It has become apparent that the building codes in sections of the country subject to visitations of the hurricane need revision. At the present time the Standard Specification of the American Institute of Steel Construction is the only specification, of which we have record that provides that the frame of the structure must be able to carry the wind pressure.

It seems to have been generally considered, by the formulators of other specifications, that the wind factor can be taken care of by the walls, the walls and frame combined, or by the inertia of the structure itself. Such a belief is not conducive to safe construction in hurricane areas.

Disastrous conflagrations, like the September hurricane, have served at least one useful purpose. Study of their effect upon various types of structures, and various structural materials, has pointed the way to measures which have steadily diminished the loss of life and property by fire.

It is difficult for the present generation to imagine the grip once held by the fire fiend upon our large cities. In lower New York there is a tablet that to this day marks the origin of the fire of 1835 by which a great part of the business district of lower Manhattan was

swept away.

Six hundred buildings were destroyed. The insurance companies suspended operations. Two hundred and sixty business houses went bankrupt. Only glowing safes marked where financial institutions had been.

Towering skyscrapers, tenanted by nearly a million workers, now occupy this region. Better fire-fighting methods combined with gradually developed systems of fire-proofing have kept the section free from anything like a general conflagration for nearly a hundred years.

Nevertheless, the engineer should avoid an attitude of complacency in regard to measures already taken to diminish the fire hazard. Still, every time our clocks tick off a minute, property valued at \$1,000 goes up in smoke and flame. The Baltimore, Chicago, and San Francisco fires are not occurrences of remote antiquity.

How far we lag behind Europe in dealing with the fire menace is shown by the comparative per capita fire losses. In England it is around thirty-three cents, France forty-nine cents, Germany twenty-eight cents, Holland eleven cents. In America the annual toll we pay is in the neighborhood of five dollars for every man, woman, and child in the country.

In this country we do not impose penalties upon those persons in whose homes or business structures fires originate. We have come to regard fires as accidental occurrences, for which, except in the case of arson, no one is to blame. As a consequence our laws contain no provisions for punitive action.

Europeans see the situation in a different light and many countries on the other side of the Atlantic enforce stringent laws which hold responsible for the resulting damage, the man upon whose premises a fire starts. He is regarded as an offender against the prosperity and security of his country. He pays the penalty.

Some measure of responsibility for the tremendous fire loss in the United States may properly be attributed to the lack of laws which penalize the delinquent property holder, but while such enormous losses continue we cannot escape the charge that our present methods of fire-proofing are unscientific. It is even more certain that they are economically wasteful.

Steel construction affords an illustration of the latter point. Steel, as every-

(Continued on page 158)



Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Arena, Central Philadelphia, \$5,000,000. Architect, Thomas Lamb, 644 Eighth avenue, New York. Owner, Tex Rickard, 825 Fifth avenue, New York, care of A. M. Greenfield, Bankers' Trust Building, Philadelphia. Seating capacity, 18,000. Approximate size, 220x325 feet. Plans in progress.

Hotel, Southeast Corner Carlisle and Pine streets, Philadelphia. Architect, C. E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, concrete, limestone, 20 stories and basement, 80x116 feet. Preliminary plans drawn. Work contemplated.

Hospital Building, Broad street below Vine; **College Building**, Fifteenth street below Vine street, Philadelphia. Engineer, H. Hall Marshall, 370 Lexington avenue, New York City. Owners, Hahnemann Hospital, on premises, Walter E. Herring, president of Board of Trustees. Limestone, steel, concrete, brick, 17 stories. Plans in progress.

Fraternity House, Thirty-ninth and Delancey streets, Philadelphia. Architect, S. W. Marshall, 1524 Chestnut street, Philadelphia. Owners, Delta Kappa Epsilon, 3906 Spruce street, Philadelphia. Stone, 3 stories. Plans in progress.

Apartment House, Northwest Corner Forty-sixth and Chester avenue, Philadelphia. Owner, Nathan Litman, Northeast Corner Forty-fifth and Pine streets, Philadelphia. Brick, steel and limestone, 4 stories. Work contemplated.

Apartment House, Forty-seventh and Forty-eighth streets, Spruce and Pine streets, Philadelphia. Owner, Clarence R. Siegel, Forty-seventh and Pine streets, Philadelphia. Nine units, court yards, underground garage, power plant, etc. Work contemplated.

Office Building, Sixty-ninth and Market streets, Philadelphia. Engineers, William Steele & Sons Co., Fifteenth and Race streets, Philadelphia. Owner, John H. McClatchey, 11 South Sixty-ninth street, Upper Darby, Pa. Brick, steel, concrete, stone, size and stories not decided. Preliminary plans in progress. Engineer will build.

Garage, 531-33 Bainbridge street, Philadelphia. Architect, private plans. Owner, I. Madzkin, on premises. Brick, steel, concrete, 2 stories, 37x125 feet, slag roof, cement floors, ramp, steam heat, electric light, rolled steel

sash. Owner will be ready for bids in three weeks.

Residences and Stores (3), 6033 Rising Sun avenue, Philadelphia. Architect, private plans. Owner, M. Weintraub, Northeast Corner Eighteenth and Cumberland streets, Philadelphia. Brick, 2 stories, 14 feet 4 inches x 58 feet, hot water heat, electric light, slag roof, yellow pine floors, metal ceiling. Owner taking bids due as soon as possible.

Residences (20), Welsh road and Erdrick street, Holmesburg, Pa. Architect, private plans. Owner, F. A. Morse, Jr., care of builder. Brick, 2 stories and basement, 16x40 feet, slag roof, oak and pine floors, hot water heat, electric light. J. G. Patterson, 2114 Lombard street, Philadelphia, taking sub-bids due as soon as possible.

Apartment Building (40), Twelfth and Loudon streets, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, care of Carl Hirsch, 1718 Cherry street, Philadelphia. Brick, 4 stories, hot water heat, electric light, metal lath, tile work, slag roof, hardwood floors, metal weather strip, wire work, cast stone, brass pipe. Carl Hirsch, 1718 Cherry street, Philadelphia, taking sub-bids due as soon as possible.

Factory, Erie avenue and I street, Philadelphia. Architect, private plans. Owners, J. S. Thorn & Co., A. L. Doering, president, Twentieth and Allegheny avenue. Steel frame, 1 story, 300x500 feet, gypsum roof, electric light, rolled steel sash. Plans in progress. Owners will build and sub-let.

Residences (23), Fifty-eighth and Malvern avenue, Philadelphia, \$100,000. Architect, private plans. Owner, Harry Wolf, 5201 Berks street, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, metal lath, terra cotta, wire work. Owner and builders taking sub-bids due March 10th.

Residences (26), Penn and Anchor streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. W. Collins, 5445 West Berks street, Philadelphia. Brick, 2 stories, 15x34 feet, slag, cement, tile roof, hardwood floors, hot water heat, electric light, metal lath, tile work, basement garages. Owner taking sub-bids.

Residences (28), Sixty-eighth avenue and Twentieth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Harry Parker, 5583 Old York road, Philadelphia. Brick, 2 stories, 14½x'2 feet, slag and tin roof, hardwood floors, cement work, garages in basement, hot water heat, electric light. Owner taking sub-bids.

Factory, Twenty-first and Allegheny avenue, Philadelphia. Engineers, William Steele & Son, Fifteenth and Cherry streets, Philadelphia. Owners, Steele Heddle Mfg. Co., on premises. Reinforced concrete, brick, steel, 5 stories and basement, 100x96 feet, slag roof (plumbing, heating, electric reserved), asphalt floors, hollow tile, elevators, metal lath, rolled steel sash, fire and kalamein doors, rolled steel doors, elevator doors, metal toilet partition, demolition. Plans in progress. Engineer will build.

Residences (26), Penn and Anchor streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. W. Collins, 5445 West Berks street, Philadelphia. Brick, 2 stories, 15x34 feet, slag, cement, tile roof, hardwood floors, hot water heat, electric light, metal lath, tile work, basement garages. Owner taking sub-bids.

Apartment House, Forty-second and Ludlow streets, Philadelphia. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, care of architect. Brick, steel, concrete, stone trim, 4 stories and basement, 35x106 feet, 28 apartments and one store, hot water heat, oil burning, electric light, built-up roof, hardwood and mineral floors, electric elevators, kitchen equipment, incinerator, Murphy door beds, metal skylights. Plans in progress. Architect will be ready for bids March 18th.

Sub-Station No. 5, Mt. Vernon and Broad streets, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Reinforced concrete, brick, steel, 1 story, 103x50 feet (plumbing, electric separate), slag roof, cement floors, roof ventilators, shoring, dampproofing, ornamental iron work, bond, rolled steel skylights, marble work, bluestone, limestone, hollow metal partitions. Owners taking bids due March 15th.

Parish House (alts.), Twenty-first and Chestnut streets, Philadelphia. Architects,

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

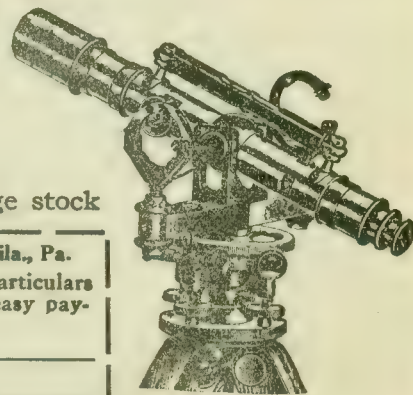
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars about the Weilco Level and your easy payment plan.
Name _____
Address _____



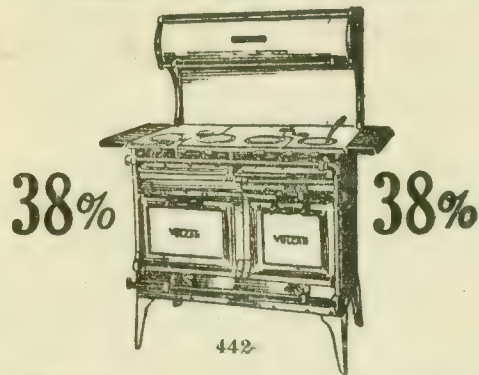
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

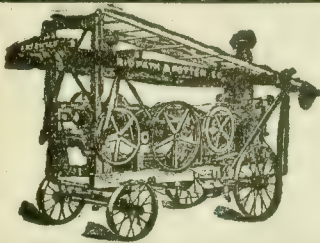
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

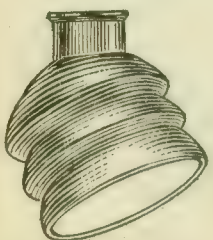
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
12317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, First Unitarian Church, on premises. Architects taking bids due March 17th at noon.

Bank Building, Kensington avenue and Torresdale avenue, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Fairhill Trust Co., Fifth and Allegheny avenue, Philadelphia. Brick, limestone, steel, 1 story and basement, 60x60 feet, slag roof, cement floors, steam heat, electric light, metal lath, ornamental iron work. Low bidders: Robert E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Schools, Forty-first and Brown; Shalleross School, Byberry and Knight roads. Architect, I. T. Catherine, Nineteenth above Chestnut streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut streets, Philadelphia. Low bidders: Forty-first and Brown streets—McCloskey Co., 1620 Thompson street, Philadelphia, \$403,296; Robbins Contg. Co., 1137 North Frone street, Philadelphia, \$412,000; electric, Mitchell & Co., 1337 McFerran street, Philadelphia, \$16,300; plumbing, William Newell & Son, 2035 Arch street, Philadelphia, \$19,184; heating, L. J. Somer & Son, 2436 Brown street, Philadelphia, \$42,936; ventilating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$1,997. Shalleross School, low bidders: Pennsylvania Engr. & Const. Co., Real Estate Trust Building, \$169,918; McCormick-Lenham, Broad and Tasker streets, Philadelphia, \$205,000.

Contract No. 27, Pennsylvania Railroad, C. E. Walsh, Seventeenth and Filbert streets, Philadelphia. Owners taking bids due March 17th at noon. Steel superstructure for bridge, floor system for bridges.

Apartment House, Northeast Corner Estau and Loretta streets, Philadelphia, \$115,000. Architect, private plans. Owner, John MacFarlane, Fox Building, Philadelphia. Brick, 4 stories, 46x21 feet, 112x33 feet, vapor heat, electric light, hardwood and pine floors. Permit issued.

Residences (2), North side Griffith street, East of Large street, Philadelphia, \$8,000 total. Architect, private plans. Owner, Wilfred Robinson, Arrott and Oakland streets, Philadelphia. Brick, 2 stories, 19 feet 8 inches x 27 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, 7335 Montour street, Philadelphia, \$7,500. Architect, private plans. Owner, Charles Imschweiler, 1919 Wensley street, Philadelphia. Brick, 2 stories, 26x47 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, 7918 Grovers lane, Philadelphia. Architect, private plans. Owner, Peter Mooney, 6745 Greenway avenue, Philadelphia.

Brick, 2 stories, 16x36 feet, slag roof, pine floors, pipeless heater, electric light. Permit issued.

Residences (6), North side Sedgley avenue, East of Jasper street, \$21,000. Architect, private plans. Owner, Fred Kettman, 5720 North Twelfth street, Philadelphia. Brick, 2 stories, 18x26 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Service Station, Northwest Corner Wyncote and Beechwood streets, Philadelphia, \$15,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x6 feet 6 inches. Permit issued.

Residences (2), Hegerman and Tyson streets, Philadelphia, \$10,000 total. Architect, private plans. Owner, Robert Gereke, 7123 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Bungalows (2), Southeast and Southwest Corner Eighty-ninth and Holstein streets, Philadelphia, \$7,000 total. Architect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 1 story, 20x30 feet, pipeless heater, electric light. Permit issued.

Residence, 3354 Edgemont street, Philadelphia, \$4,000. Architect, private plans. Owner, Joseph Biskis, 2658 East Ontario street, Philadelphia. Brick, 2 stories, 16x36 feet, 12x23 feet, slag roof, pine floors, electric light. Permit issued.

Shop, 2442-44 Germantown avenue, Philadelphia, \$3,800. Architect, private plans. Owner, M. P. Sticker, 2442 Germantown avenue, Philadelphia. Brick, 1 story, 60x38 feet. Permit issued.

Residences (43), Brighthurst street, East of Magnolia avenue, \$172,000. Architect, private plans. Owners, Charles B. Maguire, 20 South Fifteenth street, Philadelphia. Brick, 2 stories, 15 feet 4 inches x 25 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment, 1605 West Allegheny avenue, Philadelphia, \$150,000. Owner, Stanley K. Newbauer, 2328 North Park avenue, Philadelphia. Brick, 4 stories, 65x100 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Plans filed.

Residences (11), East side Vaux street, North of Ainslie street, \$44,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 15 feet 4 inches x 26 feet 6 inches, 11 feet 3 inches x 7 feet 6 inches, slag roof, pine floors, electric light. Permit issued.

Residences (6), West side Oakley street, South of Robins avenue, \$26,000. Architect,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4359

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

private plans. Owner, John H. Bauer, 4938 North Fairhill street, Philadelphia. Brick, 2 stories, 15x28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Gas Station, Southwest Corner Frankford avenue and Solly street, Philadelphia, \$15,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x15 feet. Permit issued.

Residences (19), Fifty-fifth street, Springfield avenue and Trinity street, Philadelphia, \$93,000. Owner, Eleanor Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, electric light. Permit issued.

Miscellaneous Sewer Fork, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, Engineer, City Hall. Sansom street, Fifty-fifth to Fifty-sixth street, Philadelphia, Salatino & Valloni, 1720 South Chadwick street, Philadelphia, \$4,434. Sydenham, Chelton to Sixty-fifth avenue, Edward F. Bennis, Washington lane and Chew street, Philadelphia, \$5,065.25. Twentieth, Middleton to Homer streets, N. Cascetti, Real Estate Trust Building, Philadelphia, \$5,926.90. Media street, Sixty-seventh to Sixty-eighth street, M. A. Meile and A. E. Perna, 6413 Vine street, Philadelphia, \$6,818. Overbrook avenue, Fifty-seventh to Fifty-eighth street, A. Frunzi, 513 High street, Philadelphia, \$6,214. Sanger, Rowell to Loretto avenue, Vatterli & Pontarelli & Co., 523 Rising Sun avenue, \$3,850. Twentieth, Seventy-third avenue, Seventy-fourth avenue, North, etc., Peter De Mayo, 817 South Hutchinson street, Philadelphia, \$23,826. Warnock, Clarkson avenue to present sewer, A. Bonitatibus, 300 Mt. Pleasant avenue, Philadelphia, \$1,875.25. Willow Grove avenue, Winston road to Railroad, P. & A. J. Ellis, Fourth and Courtland streets, Philadelphia, \$24,770. Ardleigh street, Moreland to Benezet, Edward Bennis, Washington lane and Chew street, Philadelphia, \$9,192.50. Callowhill, Sixty-fifth to Sixty-sixth, etc., J. Venutti, 1812 South Fifteenth street, Philadelphia, \$16,032. Bucknell street, McKean to Snyder avenue, J. Joseph McHugh, 1617 Race street, Philadelphia, \$4,538.35. Bristol street, from M to N, P. & A. J. Ellis, Fifth and Courtland streets, Philadelphia, \$18,757. Castor avenue, Oxford Circle, Benner street, etc., Peter De Mayo, 817 South Hutchinson street, Philadelphia, \$28,730.30. Clearview, Old York road to Sixteenth street, Vatterli & Pontarelli & Co., 523 Rising Sun avenue, \$11,609. Front, Grange avenue to Cora street, Vallieri & Pontarelli Co., 523 Rising Sun avenue, \$33,429.10. Fifty-eighth, Woodbine to Overbrook avenue, Peter De Mayo, 817 South Hutchinson street, Philadelphia, \$12,052.50. Horrocks, Dyre, Oxford avenue, etc., P. Pinciotti, 4103 East Roosevelt Boulevard, Philadelphia, \$6,144.50. I street, Lycoming to Hunting Park avenue, Delise & Nicoletti, 4842 North Leithgow street, Philadelphia, \$5,381.

Miscellaneous Work, Philadelphia. Owners, Department of Wharves, Docks & Ferries, Pier No. 4, South Wharves. Owners taking bids due March 15th at noon. Schedule A only. Deposit, \$25, refunded. No other deposits. A—completion with incidental work of sub-structure, Jackson Street, Pier No. 80, South Wharves. B—painting, with appurtenant, McKean Street, Pier No. 78, South Wharves. C—repairs to second deck slag, Vine Street, Pier No. 19, North Wharves.

Miscellaneous Grading Work, Philadelphia.

Low bidders. Aldine, St. Vincent, Summerdale, Magee streets, etc., T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$11,481.68. Allen, Webb, Ontario, Schiller, etc., Wilson Martin Co., Second and Jefferson streets, Philadelphia, \$619.12. Atlantic, Belgrade, Venango, Gaul, Almond streets, etc., T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$2,204.10. B, Fourth Tioga, Wingo-hocking, Ansbury, Venango, Joseph Ciccone, 5724 Westminster avenue, Philadelphia, \$5,821.20. Bartram, Botanic, Dicks, Harley, Laycock streets, etc., Municipal Const. Co., Second and Wingo-hocking streets, Philadelphia, \$11,703.40. Battersby, Englewood, Friendship, Hawthorne, etc., McCarrick Brothers, 3240 Fox street, Philadelphia, \$27,561.89. Cherokee, Ellet and Mt. Pleasant, C. H. Dading, Bellvue Court Building, Philadelphia, \$9,299.75. Cherokee, Carpenter to Sedgwick, Charles H. Dading, Bellvue Court Building, \$4,558.89. Front, Chew, Nedro, Gudknecht & Cullison, 6305 Torresdale avenue, \$1,969.50. Gibson, Grovers, Harley, etc., Roy B. Wenner, 2313 Walnut street, Philadelphia, \$17,279.02. Kemble, Ogontz, Conly, etc., Morrissey Brothers, 4347 North Seventh street, Philadelphia, \$8,445.12. Ontario, Tulip to Cedar, Elwood Harlick, Jr., 2948 East Venango street, Philadelphia, \$2,246.40. Robinson, Haverford to Girard, Joseph Dolente, 5122 Master street, Philadelphia, \$902.50. Third, Fourth, Nedro, Sixty-sixth, Fifty-seventh avenues, etc., S. C. Rotzell, Haines and Limekiln pike, Philadelphia, \$8,871.67. Bartram, Botanic, Laycock, etc., B. Foster Co., Twentieth and Venango streets, Philadelphia, \$12,249.43. Dicks, Seventy-ninth, Eightieth streets, Island road, B. Foster Co., Twentieth and Venango streets, Philadelphia, \$30,171.01. Fanshawe, Kerper, Unruh, Tabor, etc., Union Paving Co., Thirtieth and Locust streets, Philadelphia, no price. Harley, Seventy-ninth, Eastwick, Lyons, etc., B. Foster, Twentieth and Venango streets, Philadelphia, \$30,177.41. Fifty-ninth, Elmwood to Theodore, B. Foster Co., Twentieth and Venango, Philadelphia, \$2,715.50. Front Street Bridge, No. 136, J. B. McHugh, 892 North Markoe street, Philadelphia, \$3,355. Sheet steel piling for Swanson Street Sluice, Philadelphia Stack & Tank Co., 50 North Twenty-third street, \$2,978.

Supplies, Phila. Owner, Pur. Agt. E. J. Lafferty, 329 City Hall, Phila. Asphalt, sand, cal., rubber covered wire. Certified check 5%. Owner taking bids due March 18th at noon.

Misc. Work, Phila. Owner, Dept. of Public Work, Bureau of Highways, 232 City Hall. Grading, asphalt paving, country road improving, asphalt repaving, redressed granite block

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Steel **FLAG POLES** Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

MITCHELL BROS.
Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

EXPERT BLASTING

J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

Par-Lox

Par-Lox for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lox*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES : { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet ir
well as samples of the Murp



THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

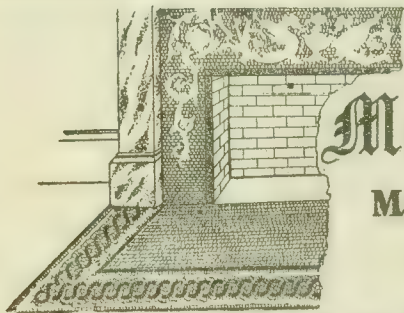
Be
19 V

THERE IS ONLY ONE IN-A-
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts. So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Home. The firm
recognized Standard
Services. Avail your
Write for Literature.



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

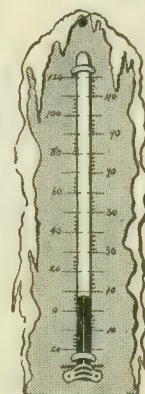
TRUSCON

Protects Concrete

Regulates the set, and eliminates uncerta
of cement floor finish. Furnished in cry
the job. This results in economy. For fur

**WAREHOUSE STOCK
IN PHILADELPHIA**

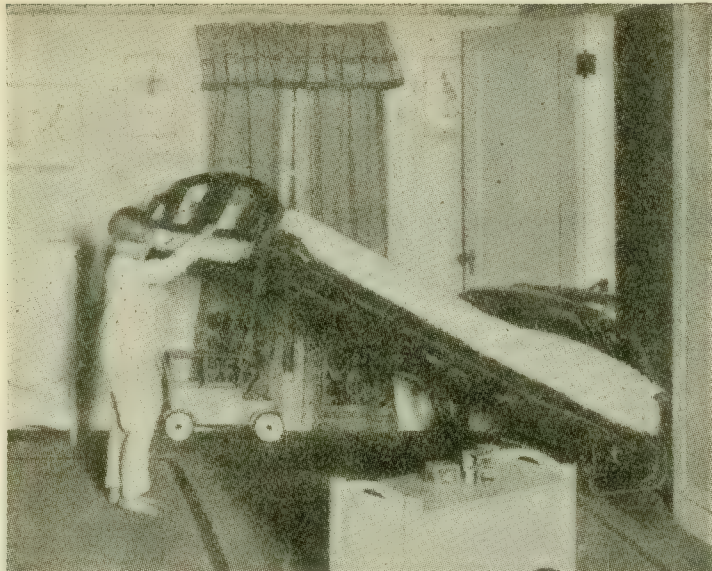
'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



EDS

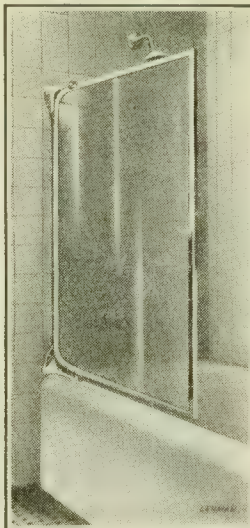
nes
ngs
all at our
in kitchen
boards as
eds

CO.
Building
44th Street
York
BED



A child can operate the bed

FOLD IN OR OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

fortable, Convenient
here represented sell
Specified Materials or
of their co-operation.



STRUCTURAL STEEL
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings
W. REISBORD
Allegheny 5520 138-140 North 55th Street, Philadelphia

AMERICAN
ALL-METAL WEATHER STRIPS
of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make **AMERICAN METAL WEATHER STRIPS**—not only the most durable—everlasting—but dust and wind proof.
If you want the best get American
American Metal Weather Strip Co.
2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens **R. A. SCHLETT, Manager**

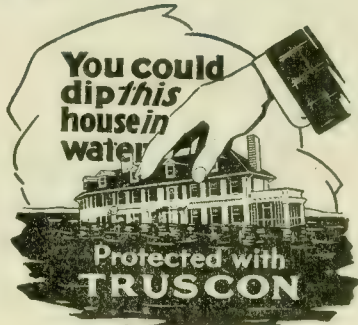
MARBLE MOSAICS
TERRAZZO that will satisfy the most particular.
CERAMICS
TILES
ROMAN MOSAIC & TILE CO., INC.
Office, 435 Green St. Factory, 432 Wallace St.
Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

EMPERITE

om Freezing

as to time for first trowelling
orm, all water being added at
nformation, ask

e Truscon
boratories



Phila. Office :
1505 Race Street

When requiring woodwork
specify
Plywood Panels
Complete stock on hand ready
for immediate delivery
H. C. L. MILLER, Inc.
1101-19 No. Front St., Phila.
Regent 1100 Park 2345

CURTIS
WOODWORK
AND
LUMBER
The GILLINGHAM CO.
NORRIS and RICHMOND STS.
PHILADELPHIA, PA.
East 7976 Kensington 2343

repaving, paving and repaving Mantua Ave. and Parish St., Phila. Certified check 5%. Owner taking bids due March 15th at noon.

Factory (alts. and add.), Ontario and C St., Phila. Architects, Rankin & Kellogg, 1805 Walnut St., Phila. Owner, Phila. Storage Battery Co., Geo. Deming, on premises. Brick, steel, 3 stories, 50x90 feet. Architect taking bids due March 15th.

Hotel and Garage, 1709-15 Locust St., Phila., \$3,000,000. Architect, Frank E. Hahn, 629 Chestnut St., Phila., and S. Boyan Boylinson. Owner, 1709 Locust St. Corp., care N. J. Taube, 18th and Chestnut Sts., Phila. Stone, brick, seel, concerte, 25 stories, 100x60 feet, garage 60x 75 feet. Plans in progress.

Residences and Garages (2), Murray St., S. of Dungan St., Phila., \$11,300. Architect, private plans. Owner, Wm. M. Foster, 5119 Oak-

land St., Phila. Frame, 2 stories, 16x33 feet, hot water heat, garages 10x18 feet, hardwood, pine and cement floors. Permit issued.

Studio and Residence, (add.), 19 Osborne St., Phila., \$2,000. Architect, private plans. Owner, Chas. Store, on premises. Brick, 2 story addition, 15x32 feet. Permit issued.

Apartment Building (46 Apts.), 15th and Jefferson Sts., Phila. Architect, Jos Margolis,

Fuller Bldg., Phila. Owner, Sidney Nasif, 3725 Old York Road, Phila. Brick, light structural steel, 4 stories and basement, 31x 121, and 35x40 feet, slag roof, hardwood floors, vapor vacuum heat, electric light, metal lath, ornamental iron work, elevators, roof ventilators, linoleum, refrigeration, closet beds, kitchen units, stone, excavation. Owner taking general and sub-bids due March 18th.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE LIMESTONE GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

TRIDENT WATER METERS

For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Church, Allegheny Ave., E. of 29th St., Phila. Architect, F. Ferdinand Durang, 1220 Locust St., Phila. Owner, Corpus Christi, R. C. Church, Rev. F. J. Kane, on premises. Stone, steel, limestone, 1 story and balcony and basement, 82x65 feet, wing 48x99 feet, slate roof (plumbing, heating, electric, res.), maple and pine floors, metal lath, tile work, terrazzo work, rolled steel sash, kalamein doors, ornamental iron work, bronze, waterproofing, travertine, bluestone. Contract awarded F. V. Warren Co., 1913 Arch St., Phila.

Garage (add.), 2208 Aramingo St., Phila., \$12,000. Architect, private plans. Owners, Guthrie Motor Service Co., on premises. Brick, 1 story addition, 56x126 feet, slag roof, cement floors, steel sash, steam heat, electric light. Contract awarded to Chas. T. Clark, Germantown and Sedgley Avenues, Phila.

Residence, 629 Poplar St., Phila., \$4,000. Architect, private plans. Owner, R. Levinson, on premises. Brick, 3 stories, 16x19, 13x21 feet, hot water heat, electric work. Contract awarded to H. Goodstein, 5714 Warrington St., Phila.

Residence and Store (add.), 4627 Woodland Ave., Phila., \$3,500. Architect, private plans. Owner, Charles Castagna, on premises. Brick, 1 story addition, 12x14 feet. Contract awarded to Joseph Padolise, 2406 Wharton St., Phila.

Wister Sub-Station (alts. and add.), Olney and Wister street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, cut stone, steel, 1 story and basement, 60x33 feet, slag roof, cement floors, steam heat, electric light, metal lath, rolled steel sash and skylights, ornamental iron work. Contract awarded F. M. Harris Co., 1520 Parrish street, Philadelphia.

Store Building, 4022 Lancaster avenue, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owner, S. S. Kresge, Detroit, Mich. Brick, steel, cut stone, 2 stories and basement, 40x136 feet, slag roof, maple, pine and cement floors, steam heat, electric light, metal lath, bond, ornamental iron work, integral waterproofing. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Alterations to Corridors, Drexel Building, Fifth and Chestnut streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Drexel & Co., on premises. Demolition, marble work, cement work, rubber floors, hardware, brick work, iron

work, metal lath, plastering, painting and glazing. Contract awarded Fred A. Havens, 845 North Nineteenth street, Philadelphia.

South Philadelphia Produce Terminal, Oregon avenue and Delaware avenue, Philadelphia. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Brick, reinforced concrete, steel (heating reserved), electric light, gypsum and Barrett specification roof, cement wood block floors, hollow tile, safety treads, plumbing, dampproofing, architectural terra cotta, metal lath, tile work, rolled steel sash, kalamein doors, iron stairs, ornamental iron work, granite sills, caulking, rolled steel shutters, metal partitions, pipe covering, 5 platforms and shelters, 5 feet wide, 800 feet long. Building A, 1 story, 110x400 feet, 2 stories, 110x200 feet. Building B, 1 story, 110x60 feet. Contract awarded Sinclair & Grigg, Medical Arts Building, Philadelphia, \$510,000.

College Building, Forty-third and Kingsessing streets, Philadelphia, \$350,000. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Philadelphia College of Pharmacy, W. C. Braisted, 145 North Tenth street. Reinforced concrete, brick, granite, 3 stories and basement, 126x89 feet, wing 62x141 feet, 62x141 feet, slag roof, cement floors, painting and glazing, metal lath, marble and terrazzo work, rolled steel sash and skylights, concrete block, rubberstone floors, bluestone. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Residence, McCallum and Horter streets, Philadelphia, \$25,000. Architect and owner, C. A. Ziegler, 1012 Walnut street, Philadelphia. Stone, 2½ stories and basement, 72x56 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded Fesmire Brothers, Huntingdon Valley, Pa.

Store Building (add.), 1122 Chestnut street, Philadelphia. Architect, Spencer Roberts, 10 South Eighteenth street, Philadelphia. Owner, B. F. Dewees, 1122 Chestnut street, Philadelphia. Brick, steel, 1 story and basement, 40x110 feet, slag roof, maple, cement and pine floors, painting and glazing, steam heat, electric light, metal lath. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Store, 4201 Comly street, Philadelphia, \$4,000. Architect, private plans. Owner, Walter Gentry, 4203 Comly street, Philadelphia. Brick, 1 story, 22x50 feet, electric light, carpentry and mill work. Contract awarded Buz-

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

ley & Propert, 1658 Unity street, Philadelphia.

Office and Store (alts.), 1015 Chestnut street, Philadelphia, \$2,000. Architect, private plans. Owners, 1015 Chestnut Street Corporation, on premises. General alterations. Contract awarded Basch & Co., Ruan and Tackawanna streets, Philadelphia.

Storage Building, Southwest Corner Eighth and Washington avenue, Philadelphia, \$12,000. Architect, private plans. Owner, S. Margolis, 815 Washington avenue, Philadelphia. Brick, 1 story, 58x101 feet. Contract awarded to A. Shestack, 5829 Walnut street, Philadelphia.

Residences (2), 7201-03 Van Dyke street, Philadelphia, \$10,400. Architect, private plans. Owner, Joseph Tiorelli, 7200 Hegerman street, Philadelphia. Brick, 2 stories, 16x40 feet, 16x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to M. Fornaro, 7230 Van Dyke street, Philadelphia.

Residences (2), 4534-36 Pierce street, Philadelphia, \$10,000. Architect, private plans. Owners, A. & M. Wisneski, 4336 Bermuda street, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors. Contract awarded to Felix Tatko, 5103 Tulip street, Philadelphia.

Residences (2), 4528-30 Pierce street, Philadelphia, \$9,400. Architect, private plans. Owner, Joseph Grabowski, 4643 Milnor street, Philadelphia. Brick, 2 stories, 14x16 feet, slag roof, pine floors, electric light. Contract awarded to Felix Tatko, 5103 Tulip street, Philadelphia.

Store and Shop, 1636 Hunting Park avenue, Philadelphia, \$6,500. Architect, private plans. Owner, Arthur J. Fink, Land Title Building, Philadelphia. Brick, 1 story, 25x142 feet, slag roof, electric lighting. Contract awarded to Frank Radomski, 4329 North Sixteenth street, Philadelphia.

Residence and Store (add.), 4407 Chestnut street, Philadelphia, \$2,600. Architect, private plans. Owners, Hai Realty Co., 3733 Walnut street, Philadelphia. Brick, 1 story add., 16x5 feet, slag roof, electric light. Contract awarded to J. H. Hutt, 5920 Dakota street, Philadelphia.

Apartment House (repairs), East side Forty-ninth street, North of Spruce street, \$40,000. Architect, private plans. Owner, Joseph Shapiro, Chatham Court Apartments, Philadelphia. General fire repairs. Contract awarded to Jack Trichonsky, 4548 North Thirteenth street, Philadelphia.

Residence, South side Faunce street, West of Bustleton avenue, Philadelphia, \$5,000. Architect, private plans. Owner, George Aufschlag, 4639 Ella street, Philadelphia. Brick, 2 stories, 26 feet 10 inches x 43 feet 10 inches, hardwood and pine floors, electric light. Contract awarded to Henry Weiland, Bustleton avenue, South of Faunce street, Philadelphia.

Warehouse (alts.), 106-08-10 Race street, Philadelphia, \$13,000. Owners, Stevenson Bros. Co., 110 Race street, Philadelphia. General alterations. Contract awarded to McNeill Const. Co., 1505 Race street, Philadelphia.

Community Building, Southwest Corner Sixteenth and Olive streets, Philadelphia, \$30,000. Owners, Gaul, Derr & Shearer, Sixteenth and Fairmount avenue, Philadelphia. Brick, 2 stories, 55x104 feet. Contract awarded to E. H.

Keefer & Son, 1321 Rodman street, Philadelphia.

Vault, Southwest Corner Fifty-second and Stiles streets, Philadelphia, \$3,000. Owners, Overbrook National Bank, Sixtieth and Master streets, Philadelphia. Contract awarded to Edward V. Holland, 539 Beverly Boulevard, Philadelphia.

Bake Shop, Northeast Corner American and Duncannon streets, Philadelphia. Owner, August Moshewitz, 603 East Tioga street, Philadelphia. Brick, 1 story, 16x16 feet. Contract awarded to Otto Malz & Son, 2002 North Fourth street, Philadelphia.

Apartment House, Garrett Road and Lansdowne Ave., Upper Darby, Pa., \$2,500,000. Architect, H. B. Weldon, 1817 Callowhill St., Phila. Owner, care of T. A. Sherridan, Upper Darby, Pa. Brick, steel, concrete, terra cotta, 6 stories, 417x300 feet, 400 apts., slag roof, hardwood floors, elevators, steam heat, electric light, tile and marble work, elevators. Garage for 350 cars. Contract awarded Smith Hardican Co., 1809 Callowhill St., Philadelphia.

Pennsylvania Construction News

St. Mary's Church, Catasauqua, Pa. Architect, Peter F. Getz, Victory Bldg., Phila. Owners, D. Cardinal Dougherty and Rev. J. A. Seimetz, Catasauqua, Pa. Brick, stone, granite, cut stone, size irregular, capacity 1,000, slate and copper roof, pine floors, steam heat, tile work, electric light, steel sash, metal stairs, orna. plaster, concrete work, leaded and storm glass, excavation, demolition, plumbing, painting, glazing. Architect taking bids due March 17th.

Paving and Sewers, E. Lansdowne, Pa. Engineers, Damon & Foster, 6932 West Chester Pike, Upper Darby. Owner, Boro. of East Lansdowne, Edwin R. Moore, Fire House, E. Lansdowne, Pa. Constr. reinf. concrete paving and 15-inch terra cotta pipe storm sewer. Certified check \$300, on paving, \$100 on storm sewer. Owner taking bids due March 14th 8 P. M.

Roadway and Street Repaving, Chester, Pa. Engineer, City Engineer, Chester, Pa. Owner, City of Chester, G. J. Hunt, City Hall, Chester, Pa. Owner taking bids due March 15th 2 P. M. Certified check 5%. Surety bond 50%. Deposit, \$5.00, refunded. Copy of newspaper adv. must accompany proposal. Repairs and repaving various parts of the city, granite block, vitrified block, asphalt, bit. paving and concrete.

Stone, Haverford Twp., Pa. Owners, Commissioners, Haverford Twp., H. A. Fritchman, Administration Bldg., Oakmont, Pa. Vari-

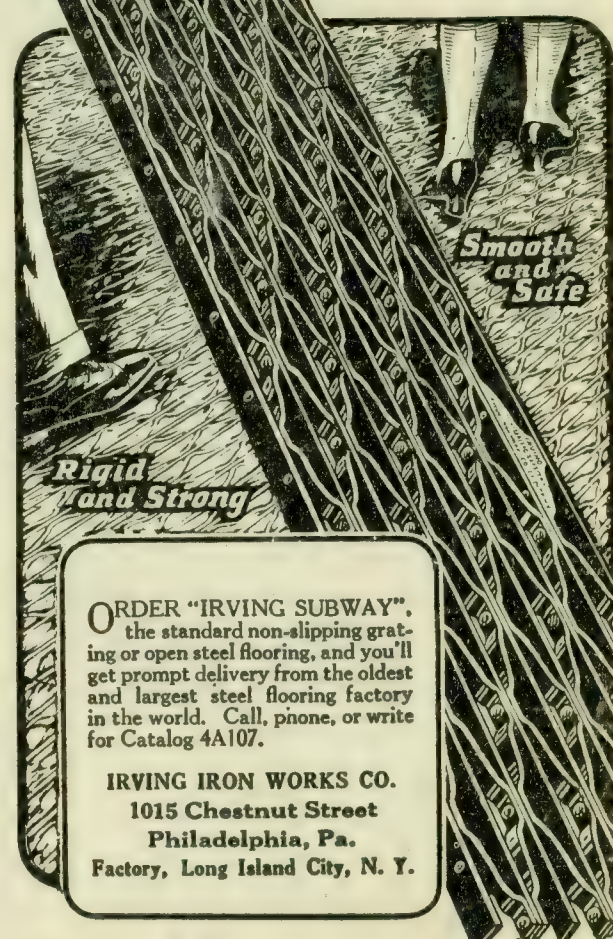
ous sizes of stone. Owners taking bids due March 14, 7 P. M. Proposal sheets will be ready after Mar. 8th.

Residence (2), Gordon Ave., Haverford, Pa. Owner, Eugene Townsend, Morris Bldg., Phila. Work contemplated.

Residence (500), State Road, Aronimink, Drexel Hill, Pa. Owners, McManus & James Devel. Co., Drexel Hill, Pa. Work contemplated, sketches in progress.

Residence, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second Ave., Royersford, Pa. Owner, Jos. Glowacki, 243 High St., Phoenixville, Pa. Brick, 2½ stories, 28x26 feet, shingle (asbestos) roof, oak and yellow pine floors, Morgan doors, wood and steel sash, tile work, hot water heat, electric light. Plans in progress.

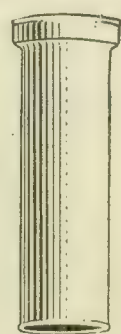
*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

27th and Diamond Streets, Philadelphia

Columbia
6526-6527

Park
4981

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Bungalow, Royersford, Pa. Architect, J. Vincent Poley, 162 Second Ave., Royersford, Pa. Owner, Harry Laver, Washington St., Royersford, Pa. Brick, 1½ stories, 28x38 feet, asphalt shingle roof, yellow pine floors, Morgan doors, wood sash, hot water heat, electric light. Plans in progress.

Grade School, Pottstown, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School Board, Borough of Pottstown, F. C. E. Muhlhouse, secretary, 547 King street, Pottstown, Pa. Brick, 2 stories and basement, 140x70 feet, 10 rooms and auditorium. Architects selected. Preliminary plans in progress.

Fraternity House, State College, Pa. Architect, Willis A. Hall, 6932 Market street, Upper Darby, Pa. Owner, name withheld. Brick, 3 stories and basement. Plans in progress.

Residence, Swoyerville, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Holy Trinity Church, Rev. J. Karnish, Swoyerville, Pa. Frame, brick, veneer, 2½ stories, 40x52 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Bridge, Marple avenue, Baltimore avenue and Riley avenue, Oakview, Pa. Engineer, George Wright, County Engineer, Delaware County, Media, Pa. Owners, County Commissioners, C. Agnew, Upper Darby, Pa. Site approved. Preliminary plans in progress.

Residence, Wynnewood, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Walker E. Linville, Land Title Building, Philadelphia. Stone, cut stone, brick, steel, 2½ stories and basement, 41x43 feet, tile roof, oak, pine and cement floors, metal lath, tile work. Revised plans in progress.

School No. 42 (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Scranton School Board, 425 North Washington avenue, Scranton, Pa. Brick, steel, 2 stories, 8 rooms, built-up roof, maple floors, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors (heating, plumbing, electric separate). Preliminary plans in progress.

School No. 32, Scranton, Pa., \$400,000. Architect, Frank J. Miller, Brooks Building, Scranton, Pa. Owners, Scranton School Board, J. Hughes, secretary, 425 North Washington street, Scranton, Pa. Brick, steel, 2 stories, 30 rooms and gymnasium, built-up roof, maple floors, safety treads, roof ventilators, iron stairs, bond, fire doors, metal lath (heating, plumbing and electric separate). Preliminary plans in progress.

Nurses' Home, Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Mid-Valley Hospital, Blakely, Pa. Brick. Plans in progress. (Note architect.)

Hospital (add.), Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Mid-Valley Hospital, E. S. Jones, president, Blakely, Pa. Brick. Architect will take bids in a few weeks. (Note architect.)

School, Kennett Square, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Patrick's Roman Catholic Church, Rev. Austin C. Grady, on premises. Brick, cut stone, stone, steel, 3 stories and basement, slate roof, cement and maple floors, metal lath, rolled steel sash, kalamein and hollow metal doors, bond, ornamental iron work, limestone, area gratings, metal toilet partitions. Architects taking bids due March 14th.

Buildings (3), Hatboro, Pa. Architect, private plans. Owners, Roberts & Manders Stove Co., Mr. Roberts, Eleventh and Washington. Reinforced concrete, brick, cut stone, steel, Building G, 3 stories and basement, 60x124 feet, Building H, 3 stories and basement, 66x199 feet, Grating Building, 1 story building, 41x111 feet (heating, plumbing, electric, sprinkler reserved), asphalt roof, cement floors, elevators, hollow metal sash, rolled steel skylights, hollow metal doors, ornamental iron work. Owners taking bids due March 15th.

Residence and Garage, Cheltenham road and Maverock avenue, Montgomery County, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Clarence Brown, care of architect. Stone, 2½ stories and basement, 2 stories and basement, 134x50 feet, wing 32x80 feet, 12x72 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, bond, ornamental iron work. Architect taking bids due March 19th.

Home Economics Building, Cheltenham, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cheltenham High School, B. Wunderle, secretary,

Cheltenham, Pa. General construction, heating, plumbing, electric, ventilating. Certified check, 1 per cent. Deposit, \$15, refunded. Owners taking bids due March 18th.

Garage and Show Room, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Klein Motor Co., 12 North Eleventh street, Allentown, Pa. Brick, steel, 2 stories, 80x128 feet, slag roof, concrete and tile floors, hollow tile, elevators, roof ventilators, waterproofing, ornamental iron, fire doors, steel sash, tile work (heating, plumbing and electric separate). Architects taking bids due March 21st.

Apartment House, Brookline, Pa. Architect, Guy B. Johnson, 237 North Sixteenth street, Philadelphia. Owners, Gordy Brothers, Otis Building, Philadelphia. Brick, steel, concrete, 4 stories and basement, 125x91 feet, slag roof, oak and pine, cement floors, hollow tile, elevators, plumbing, shoring, waterproofing, ornamental iron work, bond, hollow metal doors, rolled steel skylights, tile and marble work, metal lath, steam heat, electric light, limestone, bluestone, incinerators, flagstone. Owners taking sub-bids due as soon as possible.

Residence, Lot 82, Rosedale avenue, Overbrook Hills, Merion, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Messrs. William L. Bushnell and Gustav Bliss, 2145 East Firth street. Frame, 2½ stories, 26x44 feet, garage, 10x20 feet, central heat, electric light, tile work, shingle roof, hardwood floors, cement work. Owners will build.

Residence, Jenkintown, Pa. Architect, private plans. Owner, H. B. Nieweag, Willow street, Jenkintown, Pa. Brick, 2½ stories and basement, 38x26 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work. Owner taking bids due as soon as possible.

Washington School (add.), Salisbury Township, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Salisbury Township School Board, John T. Mory, secretary, Route No. 2, Allentown, Pa. Brick, 2 stories, 35x70 feet, built-up roof, maple floors, safety treads, iron stairs, bond (heating, plumbing, electric separate). Owners will be ready for bids next week.

School No. 33, Quincy street, Scranton, Pa. Architect, A. P. Coon, Traders' Bank Building, Scranton, Pa. Owners, School Board of Scranton, J. Hughes, secretary, 425 North Washington street, Scranton, Pa. Brick, steel, reproof, 3 stories, 30 rooms, slag roof, maple floors, hollow tile, roof ventilators, iron stairs, fire doors, steel skylights, tile work (heating, plumbing and electric separate). Owners will advertise for bids about last of April or first of May.

Residence, Haverford, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, E. B. Cox, 3rd, care of C. Barney Co., 1428 Walnut street, Philadelphia. Stone, stucco, 2½ stories. Ready for bids in two weeks.

Residence, St. Davids, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, W. E. Warner, care of architect. Stone, frame, 2½ stories. Architects taking preliminary bid.

Stores and Apartments (5), Burmont road, Drexel Hill, Pa., \$35,000. Owners, Meagher Constr. Co., 4201 Woodland avenue, Philadelphia. Brick, 2 stories, 20x53 feet, hot water heat, electric light, slag roof, hardwood

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

floors. Owners taking sub-bids due as soon as possible.

Residences and Garages (71), Clinton and Aberdeen roads, Stonehurst Hills, Delaware County, Pa. Architect, private plans. Owners, Gillingham & Hynes, 1601 South Sixtieth street, Philadelphia. Stone, cinder block, 2 stories, 16x32 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, garages in basement. Owners taking sub-bids.

Residence, Remington and Ingeborg roads, Merion, Pa., \$40,000. Architect, Robert W. Pollock, 8 South Hicks street, Philadelphia. Owner, Jules De Walle, Jr., 1411 Chestnut street, Philadelphia. Plans in progress. Will be ready for bids in a few days.

Nurses' Home, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Wyoming Valley Homeopathic Hospital, A. C. Overput, 149 Dana street, Wilkes-Barre, Pa. Brick, steel. 4 stories, 51x34 feet, composition floors, iron stairs, steel sash, vapor heat, electric light. Architects will be ready for bids next week.

Church (add. and alts.), Laurel Run Borough, Pa. Architects, Schroeder & Schmidt, Weizenkorn Building, Wilkes-Barre, Pa. Owners, Primitive Methodist Episcopal Church, Laurel Run Borough, Pa. Frame, 1 story and basement, 35x45 feet, shingle roof, pine floors, steam heat, electric light. Owners will take bids in one week.

School, Swoyerville, Pa. Architects, Schroeder & Schmidt, Weizenkorn Building, Wilkes-Barre, Pa. Owners, Holy Trinity Church, Rev. J. Karnish, Swoyerville, Pa. Brick veneer, steel, stone, 2 stories and basement, 61x142 feet, built-up roof, pine floors, safety treads, roof ventilators, iron stairs, steel sash, vapor heat, electric light. Owners taking bids.

Central Heating Plant, Kingston, Pa. Architect, Thomas Podmore, Bennett Building, Wilkes-Barre, Pa. Owners, Wyoming Seminary, Rev. L. L. Sprague, 743 Market street, Kingston, Pa. Fireproof, 1 story, 45x60 feet, asphalt roof, concrete floors, roof ventilators, fire doors, steam heat. Owners will take bids in two weeks.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Low bids received March 4th.

Merced Co., R-74, Lachawannock, Jefferson and Hickory Twps., 34,369 feet. One course reinforced concrete. Lewis & Frisinger, Ann Arbor, Mich., \$256,394.28.

Northampton County, A-4475, Lower Mt. Bethel Twp., 22,326 feet. One course reinforced concrete. Souder Const. Co., Lancaster, Pa., \$161,191.86.

Luzerne County, R-2188, Kingston Twp., 6,406 feet. One course reinforced concrete. D. W. Davis & Sons, Kingston, Pa., \$72,670.06.

Berks County, A-4427, Heidelberg Twp., 3,118 feet. One course reinforced concrete. Michael Staub, Reading, Pa., \$35,303.83.

Northampton County, R-471, A-4164, Last Allen and Moore Twps., Bath Boro. One course reinforced concrete. Wm. Eisenberg, Camden, N. J., \$134,794.54.

Carbon County, R-510, Sec. 2, A-4448, Summit Hill Boro., 4,044 feet. One course reinforced concrete. Pratt & Moore, Inc., Hollidaysburg, Pa., \$39,390.90.

Fayette County, R-118, S-2, Bellevernon Boro., 1,920 feet. One course reinforced concrete. J. I. Dick, Scottdale, Pa., \$31,523.70.

Washington County, R-115, Sec. 4, A-4272, 11,142 feet. One course reinforced concrete. Hardy & Rankin Co., Canonsburg, Pa., \$91,621.55.

Berks County, A-4428, Tulpehocken and Bethel Twps., 11,650 feet. One course reinforced concrete. Frank C. Bower, Lebanon, Pa., \$112,430.03.

Berks County, A-4426 Longswamp Twp., 13,221 feet. One course reinforced concrete. Kutztown Const., Co., Kutztown, Pa., \$89,042.59.

Berks County, R-146, Sec. 2, Mt. Penn Boro., 1,680 feet. One course reinforced concrete. Wm. B. Sheidy, Wyomissing, Pa., \$19,491.05.

Pennsylvania Contracts Awarded

High School, Norristown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School District of Norristown, Pa. Brick, steel, reinforced concrete, 3 stories and basement, 272x149 feet, hollow tile (plumbing, heating, electric separate bids), maple and cement floors, composition roof, roof ventilators, metal doors and sash, marble and terrazzo work, metal lath, acoustical treatment, dumb waiter, area gratings, steel lockers, alberne. Contract awarded on general (limestone) work. P. H. Kelly Co., 1713 Sansom street, Philadelphia, \$451,000.

Residence, Rosemont, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, name withheld. Brick, 2½ stories, 1½ stories and basement, 40x20 feet, wing 16x12 feet, garage, 16x16 feet, shingle and slag roof, oak and pine floors, tile work, bond, hot water heat, electric light, ornamental iron work, rubber floors. Contract awarded John E. Miller, Hampshire road, Drexel Park.

Residence and Garage, Drexel Park, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Charles Svoboda, Schaff Building, Philadelphia. Stone, half timber, hot water heat, electric light, tile work, brick, 2½ stories, 50x45 feet, asbestos shingle roof, hardwood floors, hot water heat. Contract awarded J. Howard Roberts, Lansdowne, Pa.

Auto Laundry Building, 500 Fishers avenue, Bywood, Pa., \$3,000. Architect, private plans. Owner, W. Harley, 500 Fishers avenue, Bywood, Pa. Brick, 1 story, 17x60 feet, slag roof, cement floors, steam heat, electric light. Contract awarded Harry Harley, 500 Fishers avenue, Bywood, Pa.

Garage, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, E. S. Wolf, 18 South Cameron street, Harrisburg, Pa. Brick, concrete block, 2 stories, 72x150 feet, slag roof, concrete floors. Contract awarded to Wilsbach Brothers, 2218 North Third street, Harrisburg, Pa.

Auto Repair Shop, 16 Harwood avenue, Kirklyn, Pa., \$2,500. Architect, private plans. Owner, W. H. Condill, 16 Harwood avenue, Kirklyn, Pa. Cinder block, 1 story, 50x35 feet, roof truss. Contract awarded G. W. Long, 813 Valley road, Llanerch, Pa.

Glen Riddle Bridge No. 6, over Chester Creek. **Hibbard Bridge No. 21**, over West Branch Chester Creek. County engineer, S. C. Hollister, Media, Pa. Owners, Delaware County, G. T. Wadas, Media, Pa. Glen Riddle—2 60-foot reinforced concrete girder spans, 20-foot roadway, 6-foot sidewalks; contract awarded C. A. McDonald, 809 North Sixty-third street, Philadelphia, \$33,000. Hibbard Bridge—60-foot girder span, 20-foot roadway, 6-foot sidewalk; contract awarded Knox Mariana, Ardmore, Pa., \$13,700.

Bridge, over Schuylkill River, Black Rock, near Royersford, Pa. Engineers, Ellin & Cressman, Norristown, Pa. Owners, Chester and Montgomery Counties, Phoenixville and Norristown, Pa. Contract awarded G. A. & F. M. Wagman, Dallastown, Pa., \$132,420.

New Jersey Construction News

Cottage, Ventnor, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, name withheld. Frame,

2½ stories, 20x36 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residences (10), West Side, Atlantic City, N. J. Architect, private plans. Owner, John B. Dykes, care of builder. Brick, 2 stories and basement, 18x53 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, ornamental iron work, plumbing, plastering, yainting and glazing. J. G. Patterson, 2114 Lombard street, Philadelphia, taking sub-bids due as soon as possible.

Hotel (add. and alts.), South Kentucky avenue, Atlantic City, N. J. Architect, W. B. Riebenack, 19 South Marion avenue, Atlantic City, N. J. Owners, Hotel De Ville, Mr. O'Brien, on premises. Semi-fireproof, steel, brick, 5 stories, 26x75 feet, slag roof, hardwood floors, heating extension, electric light, metal lath, tile work. Owners will take sub-bids.

Residences (2), West Atlantic City, N. J. Architect, A. L. Brooks, Humphrys Building, Atlantic City, N. J. Owner, Benjamin Fox, 1102 Atlantic avenue, Atlantic City, N. J. Frame, brick, stucco, 2½ stories, 73x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Garage and Service Station, East State street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Norman P. Druck Motor Co., 636 East State street, Trenton, N. J. Concrete, brick, steel, 2 stories, 190x60 feet, slag roof, concrete floors, iron stairs, metal partitions, fire doors, steel sash, electric light, blower system. Architect ready for bids.

Church (add.), Flemington, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Presbyterian Church, care of Fred Jordy, Flemington, N. J. Stone, second story add., 30x50 feet, slate roof, hardwood floors, heating extension, electric light. Architects taking bids.

Residence, Wildwood, N. J. Architect, Christian H. Fries, Frankford and Oxford avenues, Philadelphia. Owner, Norman S. Neville, 9540 Bustleton avenue, Bustleton, Pa. Concrete block, stucco, 2½ stories, 30x42 feet, asbestos shingle roof, hardwood floors, hot water heat, electric range, refrigerator and laundry equipment. Plans about completed. Architect will be ready for bids in one week.

School, Woodlynne, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Woodlynne School Board, A. Cox, secretary, care of architect. Brick, steel, 2 stories, 38x72 feet, slag roof, maple floors, safety treads, roof ventilators, fireproof doors (heating, plumbing and electric separate). Architect taking bids due March 15th.

School (add.), Clayton, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, Borough of Clayton, N. J. Brick, reinforced concrete, cut stone, 2 stories and basement, 110x56 feet, wing 76x90 feet, slate and composition roof, maple and cement floors, hollow tile, roof ventilators, plumbing, waterproofing and damp-proofing, area gratings, ornamental iron work, bond, hollow metal doors and sash, metal lath, steam heat, electric light. Owners taking bids due March 24th.

Supplies, Camden, N. J. Owners, Purchasing Agent, H. P. Pelouze, P. O. Box 7241, Camden, N. J. Owners taking bids due March 15th, 11 A. M. Certified check, \$500, two 8-ton rollers. Specifications on file Room No. 6, City Hall, Camden, N. J.

Moving Dwelling, Haddon Heights, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, care of Borough Council, J. Cooper, president, Council Chamber, Haddon Heights, N. J. Owners taking bids due March 15th, 8 P. M.

Disposal Plant, Park avenue, along Pensauken Creek, Pensauken, N. J., \$65,000. Owners,

Pensauken Township, Pensauken, N. J. Incinerator plant, etc. Work contemplated.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 20, Sec. 7, Vineland to Malaga, Cumberland and Gloucester Counties. Excavation, double line reinforced concrete pavement, gravel shoulders, widening (2) small span bridges. Certified check, 10 per cent. Deposit, \$10. Owners taking bids due March 14th at noon.

New Jersey Contracts Awarded

Office Building, Pleasantville, N. J. Architect, J. T. Windrim, Commonwealth Building, Philadelphia. Owners, Delaware & Atlantic Telegraph & Telephone Co., Seventeenth and Parkway, Philadelphia. Brick, cut stone, reinforced concrete, steel, 2 stories and basement, 41x58 feet, slag roof, cement floors, plumbing, ornamental iron work, bond, metal lath, steam heat, electric light. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Court House (finishing basement), Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Board of Chosen Freeholders of Mercer County, Trenton, N. J. Terrazzo and woodoleum floors (plumbing and heating separate). Contract awarded to Thomas Day & Son, Day Building, Trenton, N. J.

School, South Pennsboro, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Board of Education of Winslow Township, A. C. Crowley, Pennsboro, N. J. Contract awarded to Watson & Schleinkofer, Ateo, N. J.

Laundry, Northfield, N. J. Architect, S. Hudson Vaughan, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic County Board of Chosen Freeholders, Atlantic City, N. J. Fireproof, concrete, brick, steel, 1 story, 70x38 feet, slag roof. Contract awarded to John Green, Pleasantville, N. J., \$18,798. Plumbing to Benjamin E. Labov, 212 Adriatic avenue, Atlantic City, N. J., \$2,330. Heating to Baldwin Ventilating Co., 1509 Arch street, Philadelphia, \$2,997. Electric to Charles Miller, Humphry Building, Atlantic City, N. J., \$1,190.

Store (alts.), 601 Broadway, Camden, N. J., \$4,200. Architect, private plans. Owner, Sara P. Levy, 608 S. 6th St., Camden, N. J. New store front, steel work, general alterations. Contract awarded to John C. Gibson, 611 Bailey St., Camden, N. J.

Residence, 1294 Dayton St., Camden, N. J., \$4,000. Architect, private plans. Owner, George Szukalski, care of builder. Brick, 2 stories, 14x47 feet, slag roof, hot water heat, electric work. Contract awarded to John Witkowski, 21 Haddon Ave., Camden, N. J.

Building (add. and alts.), 1740 Fillmore St., Camden, N. J., \$3,500. Architect, A. B. Gill, 304 Market St., Camden, N. J. Owner, J. J. Dawson, on premises. Block, 1 story addition, 20x65 feet, slag roof, new store front. Contract awarded to Carl E. Widell, 39 S. 6th St., Camden, N. J.

Miscellaneous Construction News

Municipal Lighting Plant Building, Hagerstown, Md. Consulting engineer, L. T. Klauder, Bankers' Trust Building, Philadelphia. Owners, City of Hagerstown, Md. Owners will re-advertise for bids on revised specifications in a few days. Owners taking bids due March 15th at 7.30 P. M.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Contract 79, Maryland Line-State Road (widening, 9.908 miles. Excavation, cement concrete pavement, transverse expansion joint, Class "A" concrete gutter, wood shoulder curb. Owners taking bids due March 16th at 2 P. M. Certified check, 10 per cent. Deposit, \$2.

Mill Building, Flat Rock, Rd. 3731 feet, N. of Leverington Rd., Roxboro. Architect, private plans. Owner, Wm. Spink, on premises. Brick, steel, concrete 3 stories, 108x33, 75x30 feet, slag roof, plank floors, freight elevator, fire tower, steam heat, electric light, rolled steel sash, fire doors, rolling steel doors, wrought iron work. Plans in progress.

Miscellaneous Contracts Awarded

Mill Building, Greensboro, N. C. Architect, private plans. Owners, Samuel Pfingst and Frank Curran, Greensboro, N. C. Brick, steel, 1 story and basement, 100x200 feet, unit heat, electric light, Barrett roof, cement floors. Contract awarded William F. Lotz, Frankford avenue and Oxford pike, Philadelphia, who is taking sub-bids due March 10th.

Rectory, Wilmington, Del. Architect, George I. Lovatt, 225 South Sydenham street, Philadelphia. Owners, St. Peter's Pro-Cathedral, Rt. Rev. Bishop Fitzmaurice, Wilmington, Del. Brick, 3 stories, 40x100 feet, composition or tin roof, hardwood floors, electric light, tile work. Contract awarded J. E. Healey & Son, Wilmington, Del.

Residence, Westover Hills, Wilmington, Del. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Jasper Crane, care of architect. Hollow tile, brick veneer, 2½ stories and basement, 95x43 feet (heating reserved), electric light, metal lath, tile work, bond, ornamental iron work, tin roof, oak and pine floors. Contract awarded William Francis, Wilmington, Del.

Residence, Winston-Salem, N. C. Architect, Charles Barton Keene, 338 South Smedley street, Philadelphia. Owner, R. C. Shore, care of architect. Hollow tile, stucco, 2½ stories and basement, 130x45 feet, tile roof, oak and pine floors, metal lath, tile work, bond, ornamental iron work. Contract awarded Fogle Bros. Co., Winston-Salem, N. C.

Receiving Station, Clayton, Del. Architect, C. E. Wunder, 1620 Locust street, Philadelphia. Owners, Scott-Powell Dairies, Clayton, Del. Brick, 2 stories, 35x50 feet, slag roof, electric light, cement work. Contract awarded J. A. Bader, Wilmington, Del.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 24, 1927. Sealed bids in duplicate will be received until 3 P. M., March 24, 1927, and then publicly opened, for furnishing all labor and materials and performing all work for the construction of the United States Post Office at Bayonne, N. J. Drawings and specifications may be obtained from the Custodian of the Site at Bayonne, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

(Continued from page 148)

one knows, is not a combustible material. Tests of steel at high temperatures have shown that up to a temperature of from 500 to 600 degrees Fahrenheit, steel in compression is about forty per cent. stronger than at ordinary temperatures.

From 700 to 800 degrees Fahrenheit—the temperatures which might be expected in ordinary fires—the strength of steel is approximately equal to its normal strength.

Tests conducted by the United States Bureau of Standards have shown that insulation by hollow tile, gypsum, brick, or similar materials, will enable a steel column to sustain its load even after from three to five hours of exposure to increasing temperatures ranging as high as 2300 degrees. Temperatures in excess of 2000 degrees Fahrenheit are reached only in the most severe conflagrations.

The use of steel, properly insulated, has played a notable part in checking the ravages of fire, but it still remains for us to define what properly constitutes a fireproof structural steel frame, for it is obvious that the necessity of protecting steel from the effect of high temperatures will vary in different parts of the structure and with the types of structure in question.

There is general recognition of the fact that the floor and roof panels do not necessarily require the same consideration in fireproofing that the skeleton frame proper should have. Insulation will always be requisite in a building filled with combustible furnishings. It is totally unnecessary in the great rotunda of the Pennsylvania Station in New York.

As for the determination of the best insulating materials, up to the present time it has been customary to rate the insulating qualities of a given substance in accordance with its thickness. Recent investigations indicate that the nature of the surface of the material has an important bearing upon its protective properties.

The American Institute of Steel Construction already has in preparation a definition of what constitutes a fireproof skeleton structure. Research should develop the use of lighter insulating materials in combination with greater air spaces. Such a development will reduce the dead weight imposed upon the frame, and lower costs to the benefit of the owner and the public.

The establishment and general acceptance of a unit of working stress for structural steel which will assure safe construction and the most effective use of the material is another matter deserving the active co-operation of all structural engineers desirous of placing at the disposal of their clients or employers the full benefit of their technical knowledge, skill and experience.

It has been evident to every structural engineer and architect that innumerable evasions have existed in connection with the use of the 16,000 pound per square inch working stress. These evasions have been prevalent in railroad bridge construction and in building construction where engineers of national reputation have found it advisable to use stresses sometimes in excess of 20,000 pounds.

The whole subject of working stresses for structural steel is one which furnishes a striking example of how practices, often unjustifiable, tend to freeze themselves so tightly into an industry that it takes years of thawing to get them out again.

It was about 1885 that steel first came into use as a building material. The first structural steel was made by the Bessemer process. It was a new and untried product. The 16,000 pound working stress was not formulated upon a knowledge of what steel would do. It was based upon the only possible foundation—upon experience with wood, stone and wrought iron construction.

Conditions changed. Bessemer steel began to give place to Open Hearth steel. The new process turned out a product of greater uniformity, greater strength, and greater ductility. Its grade was standardized by the specifications of the American Society for Testing Materials.

Steel became a thoroughly reliable material, but until a few years ago, when the American Institute of Steel Construction formulated its Standard Specification for the design and erection of structural steel, the 16,000 pound stress still governed the design of buildings in a large majority of cities in the United States and Canada.

The building codes of these cities, like the practices which they included, had become frozen and this freezing forced the engineer to use from ten to twelve per cent. more than the necessary amount of steel. It deprived the owner of the benefit of the engineer's skill and experience. Upon all operations in which steel was used it pressed a burden of unnecessary costs.

Fortunately this state of affairs is rapidly being remedied. At the present time all but four of the major cities in the United States have incorporated the Institute's Standard Specification in their building codes, or else are permitting its use. In two of these cities, Philadelphia and St. Louis, official committees have recommended the adoption of the Specification. The Specification is also widely used in Canada.

The 18,000 pound working stress, one of the most important features of the Specification, has been approved by leading engineers and architects on both sides of the U. S.-Canadian border.

Progress in the same direction is being made in railroad bridge construction where it has been the practice to design

structures on the basis of a 16,000 pound unit stress and an E 60 loading, but to immediately rate the bridge for service purposes on the basis of a unit stress of 26,000 pounds in tension.

Railroad engineers have frankly stated that due to this situation they have found themselves unable to side-step the humiliating task of explaining the obvious inconsistency when called into conference with their executives. In the past the railroad engineer has been obliged to provide for what he knew would be an increasing live load which had not yet been accepted by those in charge of operations.

These engineers are now taking the attitude that it is time to put all the cards upon the table and use materials at the stresses they can safely carry, thus discarding the fallacy inseparable from providing for a variable live load by using a low unit stress.

They have stated that as a result of the standardized practices formulated by the American Institute of Steel Construction, they will be able to prepare a specification that will entirely eliminate the out-worn practice now in vogue.

The problem of impact upon bridge spans is a phase of the same subject that has received consideration from a more or less empirical standpoint, based upon tests from which formulae have been proposed. There is, however, little agreement among engineers as to the best methods of determining impact.

The specifications now being written require that the influence of impact in the live load shall be converted into an equivalent static stress. It is certain that the stresses caused by the impact of the live load will result in a deflection of the structure in excess of that produced by the live load in a static condition. To meet the new requirements there should be a more uniform understanding than now exists.

Practically all the impact formulae in present use contain a factor corresponding to the square of the span, but none contains any factor representing the depth of the structure, unless there is assumed to be a constant ratio between the length of the span and the depth.

Among other influences which affect the impact are the speed with which the span is loaded; and, if it is a truss, the harmonic vibrations as the successive panels take the load. There is also the question of the unbalanced load in the driving wheels, and the nosing effect of a locomotive as it crosses the structure.

Excavating for foundations and dwelling construction offer additional field for improvement through the application of methods already in their initial stages of development, or awaiting discovery and formulation by the country's engineering brains.

Present methods of drilling and blasting for foundations are primitive as compared with the progress that has been made in other lines. Liquid air is now being experimented with in connection with the excavation of rock. It is known that through its violent evaporation it is capable of lifting tremendous masses.

It is possible that by the application of the oxy-acetylene flame we will be able to burn rock, reducing it to something like its original state of flux. This would enable us to drive a steel piling through hard pan as easily as we drive a wooden piling into mud.

Methods of residence construction have not kept pace with developments which have made the skyscraper the marvel of the modern age of building. In recognition of this lack of progress, plans were prepared some months ago for the erection of a "fault proof" house on Long Island.

The plans call for a steel frame, concrete foundation, brick walls, and gypsum floors. The object is to eliminate the many obvious faults in dwelling construction which for years have been accepted as more or less inevitable.

On it has been demonstrated that uneven settlement, sags in part, warps, crack, and fissures can be eliminated through the application of methods adapted from those used by outstanding skyscraper engineers, a powerful impetus will be given to better residence construction in this country. We will be a step nearer the fire-safe, waterproof, soundproof, and heat-conserving home.

Such a demonstration will afford one of the best possible checks to whatever tendency there may be to accept certain practices as fixed, and to declare such fixation to be the goal of engineering development. As engineers, we should be careful to distinguish between fixation and standardization. Fixation is the freezing in of methods whether good or bad. Standardization means the acceptance and universal use of only approved practices.

Fixation is retrogressive, or at least static. It holds no hope of progress. Standardization, elastic enough to permit the incorporation of new methods when change becomes desirable, is progressive. Standardization, as defined above, may with far more truth be said to be the real goal of the American engineer and American industry.

The valuable man in any business is the man who can and will co-operate with other men. The foreman who opposes the introduction of a new man into an institution and fights every innovation which he himself does not suggest, is doomed to a gradual and creeping defeat. Men succeed only as they utilize the services and ideas of other men. Co-operate!

SOME SUGGESTIONS FOR GOOD PLASTERING

By J. S. ELWELL

Successful plastering is more dependent on good work by other trades than is generally realized. It is difficult to impress on those outside the building trades just how dependent the plasterer is on the other mechanics and materials that enter into the modern house.

Many homes and apartments are, unfortunately, constructed with the idea of building at the lowest possible cost without regard to other considerations. This is not only poor economy, but has led to unethical practices, or at least low standards, on the part of many builders.

The Department of Commerce, Fire Underwriters and Municipal Building Departments all recognize this tendency and are trying to correct it by recommending or adopting codes and building restrictions designed to prevent the misuse of building materials.

In general, it is only on the largest jobs that the owner maintains efficient inspection. The ordinary job, even though designed by an architect or engineer, is usually left to the mercies of a contractor that has been forced into giving too low a bid by keen competition. Inspection or superintendence, if any, is limited to short, semi-occasional calls by the designer, which are devoted more to explaining or defending plans than to intelligent observation of the quality of the work under way.

As a general rule, we only get what we pay for, and this applies to the building industry more rigidly than to any other business. Reasonable construction can only be obtained by paying a reasonable price, and cheap or dishonest construction is generally a result of lack of understanding on the part of owners.

There is no single place where the results of good or bad work shows up as it does in plastering. If the general construction is neglected or skimmed either through ignorance or design, the results are shown by unsightly cracks or even by dangerous falling of the plaster. Some of the faults that may cause unsatisfactory plaster, without fault in the plaster itself, are:

Small or shallow foundations under posts or basement walls; too small sills or too few bearing posts; joists or studs too small or with too great a spacing; a single light joist under partitions (is not sufficient); improper or too light framing over wide openings; chimney not built independently of footings and frame; improper headers over door or window openings; rafters not tied and joists not braced; stud bracing neglected, especially at corners; use of green lumber (without allowance for shrinkage).

Any of the above are sure to produce cracks in a quick-setting plaster and even a slow-setting plaster which tends to adjust itself to minor movement, is not en-

tirely proof against such shortcomings. Plaster does not crack of itself except for two reasons, under-sanding and drying out too rapidly.

There are several causes that contribute to plaster failures, due to lack of knowledge or carelessness of the mortar man or the plasterer. With any plastering material, the mortar must be well mixed and the backing, wood lath, block, brick or concrete should be damp before it is covered. Wood lath should be of good quality and spaced far apart to insure good keys. Laitance must be removed from concrete and oil, dust and dirt from brick or block.

Whatever plaster is used, more than half of it, as it finally stands on the wall, is sand, just sand. The advantages of the various plasters are disputed at great length, but the quantity and quality of the sand receives little attention or thought. There are three things that would go far to insure better plastering if they were watched more closely.

First: Clean Sand

Second: Coarse Sand

Third: Measured Sand

More than a small (say five) per cent of clay, silt or organic matter is liable to cause discoloration or even disintegration. These defects may not show at first but sometimes develop after months or even years. Wall decorations, one twentieth of which were defective, would not be tolerated, and yet, that is just what dirty sand means. Why permit it?

Coarse sands usually make better walls than do fine sands. It is evident that the finer the sand the more surface there is to the grains in a given measure. No one would expect to paint a house with one gallon of paint, yet there are those who use very fine sand and expect their plaster material to cover unlimited sand areas.

Measuring the sand seems to be a very simple matter, but due to the effect of moisture it is most difficult. For example, take a cubic foot of dry sand, weighing about 100 pounds and add three pounds of water to it. Mix thoroughly and put it back into the original measure. It will be found that there will be almost one-third of the sand left over or about 30 pounds that will not go back into the measure.

Again, a No. 2 shovel of dry sand weighs about eleven pounds, while the same shovel with damp sand (about 3% moisture) will hold twenty-three pounds, or about twice as much.

Plaster specifications are written for dry sand and allowance must be made for moisture content. Experience has shown that the shovel measure is as reliable as the box method but either must be corrected, for all sands as used on the job contain some moisture.

As the cementing material is only to bind grains of sand together, it is most important that the proper amount of

clean, well-graded sand be thoroughly mixed with the plaster.

In conclusion, use only the best lath, spaced not less than $\frac{3}{8}$ inches apart with broken joints every seven or eight lath; nail securely on studding not over 16 inches apart, and see that the lath are wet down.

Use only clean, coarse, well-graded plastering sand in the proper amounts, and see that all solid backing is clean and not bone dry.

Hire good mechanics and pay a fair price.

Sound and heat proof walls, built of a porous and not too rapid setting plaster, are warmer in winter and cooler in summer.—*Building Age and National Builder.*

The other day a prominent local architect called up to inquire regarding a concern that has not advertised with us for two years. "I saw their ad. some years ago in the Guide," said the architect, "and am unable to recall just where they are located." We gave him the address and learned subsequently that as a result the firm bagged a big order. How many similar orders, from architects who wouldn't take the trouble to look them up, that same concern has missed in the course of the past two years it would interest us to know.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soul with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

The only road to advancement is to do your work so well that you are always ahead of the demands of your position. Our employers do not decide whether we shall stay where we are or go on and up; we decide that matter ourselves. Success or failure is not chosen for us: we choose them for ourselves.—H. W. Mabie.

To be poor in a wealthy country, to be sick in a good climate, to be inefficient among a progressive people, is a sign of unwise educational methods. Such people were not taught to battle with the world or meet life's emergencies.—Thoreau.

Ideals are like stars; you will not succeed in touching them with your hands. but like the seafaring man on the desert of waters, you choose them as your guides. and, following them, you reach your destiny.—Carl Schurz.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING
Sterling Products Co.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CURTIS WOODWORK
Selby Battersby & Co.810 Noble St., Phila.

DAILY BUILDING NEWS
Gillingham Co., Norris and Richmond Sts., Phila.

DAMP-PROOFING
Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

DOOR BEDS
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.

DRAWING MATERIALS
Phila. Building Material Co., 1209 N. Taney St., Phila.

ELECTRICAL CONTRACTOR
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

FENCES
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

FIREPROOFING
Truscon Laboratories1505 Race St., Phila.

FLAG POLES
Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

FLOOR HARDENER
Robbins, Chas. H., Co., 1729 Sansom St., Phila.

FLOORING (Rubber Tile)
Weber, F., Co.125 S. 12th St., Phila.

FLOORING (Rubber Tile)
Weil, J. H., Co.1315 Cherry St., Phila.

FLOORING (Rubber Tile)
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FLOORING (Rubber Tile)
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

FLOORING (Rubber Tile)
Potts, Horace T., & Co., Erie Ave. and "D" St., Phila.

FLOORING (Rubber Tile)
Reisbord, Wolf138-140 N. 55th St., Phila.

FLOORING (Rubber Tile)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLOORING (Rubber Tile)
J. E. Lingo & SonCamden, N. J.

FLOORING (Rubber Tile)
Anti-Hydro Waterproofing Co., 24th and Parkway

FLOORING (Rubber Tile)
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

FLOORING (Rubber Tile)
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.

FLOORING (Rubber Tile)
Selby Battersby & Co., 810 Noble St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

IRON AND STEEL BARS AND PLATES
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL (Structural and Ornamental)
Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co., 11th and Noble Sts., Phila.

IRON AND STEEL (Structural and Ornamental)
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.

IRON AND STEEL (Structural and Ornamental)
Livezey, Thos. H., American and Luzerne Sts., Phila.

IRON AND STEEL (Structural and Ornamental)
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.

IRON AND STEEL (Structural and Ornamental)
Murlin Mfg. Co.5420 Paschall Ave., Phila.

IRON AND STEEL (Structural and Ornamental)
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

IRON AND STEEL (Structural and Ornamental)
Reisbord, Wolf138-140 N. 55th St., Phila.

IRON AND STEEL (Structural and Ornamental)
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.

LEVELS
Weber, F., Co.125 S. 12th St., Phila.

LEVELS
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION
Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

MARBLE AND MOSAIC
Gillingham Co., Norris and Richmond Sts., Phila.

MARBLE AND MOSAIC
Ketcham, Howard, 3rd and Girard Ave., Phila.

MARBLE AND MOSAIC
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.

MARBLE AND MOSAIC
Camden Tile Co.Camden, N. J.

MARBLE AND MOSAIC
Italian Marble Mosaic Co., 433 Spruce St., Phila.

MARBLE AND MOSAIC
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

MARBLE AND MOSAIC
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.

MASON BUILDER
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co., Norris and Richmond Sts., Phila.

MILLWORK
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F., Co.125 S. 12th St., Phila.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Sterling, Joseph, South Merchantville, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.

REFRIGERATORS
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.

REINFORCING BARS
Penn Steel Service Co.Fuller Bldg., Phila.

REINFORCING BARS
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

ROOFING
John Nacey Co.7254 Paschall Ave., Phila.

ROOFING
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS
John Nacey Co.7254 Paschall Ave., Phila.

ROOFING MATERIALS
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.

RUBBER FLOORING
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

SCAFFOLDING
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SEWER PIPE
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

SHEETROCK (Wall Board)
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES
Edwin Elliott Co.560 N. 16th St., Phila.

STEEL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS
Smith-Austermuhl Co.Camden, N. J.

SURETY BONDS
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

TERRA COTTA SEWER PIPE
Ketcham, O. W.121 N. 18th St., Phila.

TILE AND TERRAZZO WORK
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.

TILE AND TERRAZZO WORK
Camden Tile Co.Camden, N. J.

TILE AND TERRAZZO WORK
Italian Marble Mosaic Co., 433 Spruce St., Phila.

TILE AND TERRAZZO WORK
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

TILE AND TERRAZZO WORK
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.

TRANSITS
Weber, F., Co.125 S. 12th St., Phila.

TRANSITS
Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD, COMPO BOARD
Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

WALLBOARD (Sheetrock)
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

WATER HEATERS
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway

WATERPROOFING
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

WATERPROOFING
Phila. Building Material Co., 1209 N. Taney St., Phila.

WATERPROOFING
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

WATERPROOFING
Seal-A-Void Co., 1126 So. 11th St., Phila.

WEATHERSTRIPPING (Metal)
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING
Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.

WINDOW REFLECTORS
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Car Skidded

And then someone discovered that his broken window or smashed fence was his dearest possession and put in a bill of damages to prove it.

And the automobile owner paid—because his insurance didn't cover damage to the property of others.

Your agent can get you automobile policies covering property damage, collision, public liability, fire and theft. How well are you insured?

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps These Cellars Permanently Dry



One of a Group of Houses at Malba Estate
Malba, Long Island, N. Y.



Architect, Harold E. Padden
Contractor, Arthur Waldron

The houses at Malba Estate are built on "springy" ground, but the cellars of all of them are always dry, because the concrete foundations, walls and floors are permanently waterproofed with "ANTI-HYDRO."

No matter how large or small your job may be, you will find "ANTI-HYDRO" the most satisfactory as well as the most economical concrete waterproofer and hardener you can use. It both hardens and waterproofs in *one operation*.

"ANTI-HYDRO" is a liquid integral compound which mixes easily with the gauging water—any unskilled laborer can do it. Twenty-three years of successful use is your guarantee of satisfaction when you use "ANTI-HYDRO." Try it on your next job for permanence.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 11
March 16, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO. IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED DETAILED
FABRICATED ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

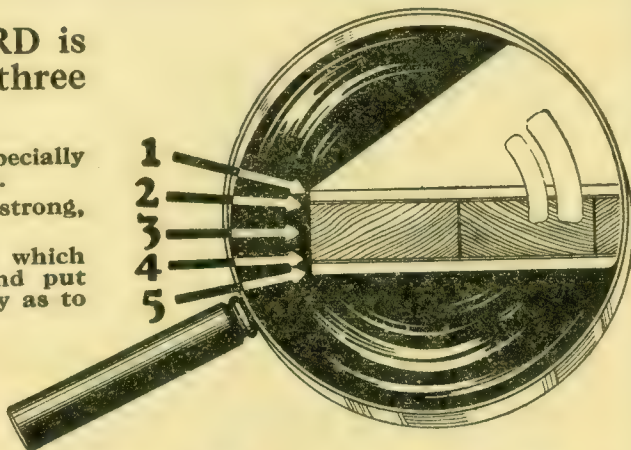
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

In Placing a Contract—

The following are often disregarded in
grasping a cheap price:

Years in business,
Experience in this class of work,
Standing in the Community,
Personal references,
Financial Rating and Credit Standing,
Reputation for fair dealing,
Possible reciprocity,
Organization and personnel in back of contract.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHERS IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

MURLIN

MANUFACTURERS OF

Cast
**Exterior Ornamental
LIGHTING**

The proper lighting of
Developments will rapidly
increase the sale and value
of Real Estate.

It has become an essential
to Builders and Real Estate
Developers.

Our Engineering Depart-
ment is in a position to take
care of your requirements.

MURLIN MFG. CO.

5420 PASCHALL AVENUE
PHILADELPHIA, PA.



INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



ONE BAG TILTER NOW AT HALF BAG PRICE

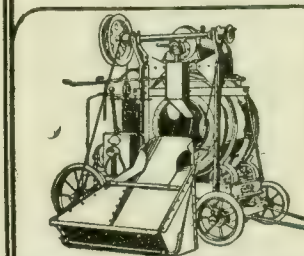
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

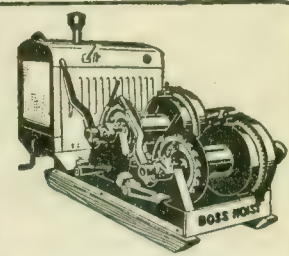
ING

\$135

UP

FORDSON

WINCHES



BRICK

ELKINS PARK BANK

just nearing completion, is another
piece of Colonial architecture made
possible by the use of

EXCELSIOR ANTIQUES

The building was designed and executed
by the well known

HESSWIN COMPANY

A true colonial appearance and atmos-
phere can always be secured thru the
use of genuine kiln-burned

EXCELSIOR ANTIQUE BRICK

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON STEEL WINDOWS

Copper-steel Casements and Base-
ment Windows for Residences
are the modern windows for
the modern house.

Large choice of sizes for immediate
deliveries. Write for literature.

*Lupton makes a steel window for
every type of building*

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

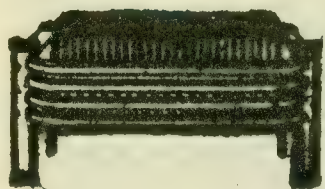
Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street



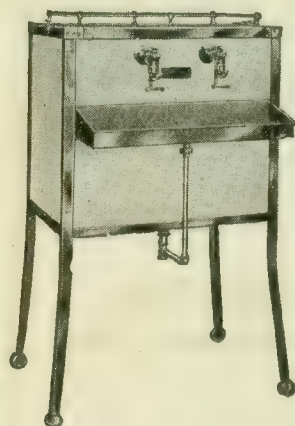
FOR

**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°

But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number II

PHILADELPHIA
March 16, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building, Southwest Corner Sixty-ninth and Market streets, Philadelphia. Engineers, William Steele & Sons, Fifteenth and Race streets, Philadelphia. Owner, J. H. McClatchey, 11 South Sixty-ninth street, Philadelphia. Brick, steel, 3 stories and basement, 140x100 feet, slag roof, maple floors, steam heat, electric light, tile work. Plans in progress.

Senior High School, Dicks avenue and Island road, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans in progress.

Bank Building, 5604 North Fifth street, Philadelphia. Architects, Simon, Brittain & English, 929 Chestnut street, Philadelphia. Owners, National Bank of Olney, on premises. Stone, brick, steel, lot 32x100 feet. Plans in progress.

Bank (add.), 1432 Market street, Philadelphia. Architect, private plans. Owners, Mitten Men and Management Bank & Trust Co., Broad and Market streets. Brick, steel, stone, 15x72 feet add. Plans in progress.

Warehouse, Delaware and Spruce streets, Philadelphia, \$1,700,000. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Quaker City Cold Storage Co., on premises. 12 stories. Preliminary plans in progress.

Department Store, Germantown, Philadelphia. Owners, Sears-Roebuck Co., Boulevard, Philadelphia. Work contemplated.

Residences (58), Whitaker and Wyoming avenues, Philadelphia. Architect, private

plans. Owners, Fishman, Fort & Park, care of Mr. Park, 5018 North Rosehill street, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, hardwood floors (carpentry work reserved), metal lath, tile work. Owners taking sub-bids due at once.

Apartment House, 5421 Locust street, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, William Condon, Pennsylvania Building, Philadelphia. Brick, 3 stories, 155x23 feet, hardwood floors, steam heat, electric light, tile work, plumbing. Plans completed. Architect ready for general bids.

Garage, 1602 Chancellor street, Philadelphia. Architect, Le Roy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Isadore Sley, care of Racquet Garage, on premises. Brick, steel, 8 stories, 60x80 feet, slag roof, concrete floors, elevator, steam heat, electric light, plumbing. Plans about completed. Will be ready for bids in two weeks.

Association Building and Store, 1033-35 Girard avenue, Philadelphia. Architect, Conrad F. Neff, Twelfth and Locust streets, Philadelphia. Owners, Girard Avenue Business Men's Association, care of H. L. Martin, President, Ninth and Thompson streets, Philadelphia. Brick, stone, 3 stories, 38x75 feet, slag roof, maple floors, steam heat, electric light, tile work, expanded metal bulks, plate glass. Plans in progress. Architect will be ready for bids in two weeks.

Mill, Venango, East of Kensington avenue, Philadelphia. Architect, Amos W. Barnes,

Perry Building, Philadelphia. Owners, Craftex Mills, Inc., Kensington and Venango streets, Philadelphia. Brick, concrete, steel. Architect will be ready for bids on new plans in a few days.

Interior Alterations, 1823 West Allegheny avenue, Philadelphia. Architect, J. S. Fuller, 26 South Fifteenth street, Philadelphia. Owner, Mrs. Freda Barg, on premises. Owner taking bids.

Residence and Garage, 7100 Overbrook avenue, Philadelphia. Architect, J. F. Lowery, Land Title Building, Philadelphia. Owner, Timothy Gallagher, Jr., care of architect. Brick, hollow tile, stucco, 2½ stories, 36x60 feet, shingle roof, hardwood floors, cement work, central heat, electric light, tile work. Ready for bids in a week.

Residences (187), Euclid, Morse, Fifty-second, Fifty-third, Montgomery and Lindenwood avenue, Philadelphia. Architect, private plans. Owner, K. Kaiserman, 1505 Bankers' Trust Building, Philadelphia. Brick, 2 stories, hot water heat, electric light, slag roof, hardwood floors, tile work, paving and grading. Plans completed. Owner taking sub-bids.

Rectory, Tioga and Howard streets, Philadelphia. Architects, Henry D. Dagitt & Son, 1529 Race street, Philadelphia. Owners, St. Hugh's Roman Catholic Church, Rev. Hugh J. Dale, 144 East Allegheny avenue. Stone, limestone, 3 stories and basement, 35x60 feet, slag roof, oak and pine floors, vapor heat, electric light. Plans in progress. Ready for bids in two weeks.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3310

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
331 South 49th Street, Philadelphia

Apartment Building, Northwest Corner Forty-sixth and Chester avenue, Philadelphia. Architect, private plans. Owner, N. Litman, Northeast Corner Forty-fifth and Pine streets, Philadelphia. Brick, steel, limestone, 4 stories, 95x108 feet, slag roof, hardwood floors, elevators, metal weather strip, terra cotta, wire work, vapor heat, oil burning, electric light, metal lath, tile and marble work, ornamental iron work. Owner taking sub-bids due in two weeks.

Arcade Building, 1309-11 Walnut to 1306-08 Sansom street, Philadelphia. Architect, Le Roy B. Rothschild, 215 South Broad street, Philadelphia. Owners, 1309-11 Walnut Street Investment & Holding Co., S. W. Sargent & Co., 1600 Walnut street, Philadelphia. Brick, cast stone, architectural terra cotta, steel, 2 stories and basement, 46x230 feet, slag roof, pine and cement floors, steam heat, electric light, metal lath, ornamental iron work. Architect taking bids due March 17th at noon.

School, East Roosevelt Boulevard and Boudinot street, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ambrose's Roman Catholic Church, Rev. J. A. Hughes, on premises. Stone, 3 stories, 61x140 feet (plumbing, heating, electric separate), slate roof. Architect taking bids due March 21st at noon.

Addition, 1523 Race street, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owner, John J. Griffin & Co., Inc., on premises. Brick, concrete, cut stone, steel, 5 stories and basement, 20x99 feet, Barrett specification roof, cement floors, rolled steel sash, ornamental iron work, bluestone. Architect taking bids due March 17th.

Germantown Central Office Building (alts. and add.), Cheltenham, West of Germantown avenue. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of America, Seventeenth and Parkway, Philadelphia. Brick, cut stone, steel, 2 add. stories (fourth and fifth), 90x56 feet, wing 135x35 feet, slag roof, cement floors, hollow tile, elevators, waterproofing, ornamental iron work, iron stairs, bond, hollow metal sash, tile and marble work, electric light, metal lath, steam heat, metal toilet partitions. Architect taking bids due March 21st.

Interior Bank Finish, Broad and Walnut streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Fidelity Philadelphia Trust Co., M. R. Brockius, 325 Walnut street. Elevators and lifts, rubber, wood and linoleum floors, metal lath, electric light, tile, marble and terrazzo work, sound deadening, hollow metal doors, bank fixtures, structural steel, counter equipment, cage partitions, miscellaneous iron work, cement and concrete, cabinet, mill work, cork insulation, acoustical, demolition, pneumatic tubes, bronze work, dampproofing, nail crete, painting and glazing, draining, plastering, ventilating. Irwin & Leighton, 126 North Twelfth street, Philadelphia, taking bids due March 18th.

Warehouse, Nixon and Fountain streets, Philadelphia. Architects, De Vere Co., 908 Nickels Building, Toledo, Ohio. Owners, Container Corp. of America, on premises. Brick, reinforced concrete, 1 story and basement, 50x480 feet, slate roof, cement floors, rolled steel sash, ornamental iron work. Schaefer & Co., 1600 Arch street, Philadelphia, taking sub-bids due as soon as possible.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of City Property, 212 City Hall. No. 1, demolition and removal of Second street market sheds, from Poplar to Fairmount avenue. No. 2, reconstruction of approach to tower elevator in City Hall. No. 3, laying and repairing pavement, concrete coping and curbs for year 1927. No. 4, supply and plant trees in quantities. No. 6, furnish and lay sod in various parks and squares. Owners taking bids due March 22nd at noon. Certified check, 5 per cent.

Supplies, Philadelphia Navy Yard, Philadelphia. Owners, United States Government, Department of Supplies and Accounts, Washington. Owners taking bids due March 22nd, 10 A. M. Brass angles, bar steel, copper, aluminum and aluminum alloy ingots, copper tubing, electric motors, carbon brushes. All delivered to Philadelphia Navy Yard.

Incinerator, Fifty-fifth and Gray's avenue, Philadelphia. Owners, Department of Street Cleaning, 332 City Hall. Owners taking bids due March 22nd at noon, Room 216, City Hall. Certified check, 5 per cent. A—plumbing. B—steam heating. C—electric.

Residences (23), East side Fifty-eighth street, South of Malvern avenue, \$99,500. Architect, private plans. Owner, Harry Wolf, 5201 Berks street, Philadelphia. Brick, 2 stories, 16x29 feet, 13x11 feet, slag roof, pine floors, electric light. Permit issued.

Residences (18), South side Eastburn road, West of Limekiln pike. Architect, private plans. Owner, George Underer, 6750 York road, Philadelphia. Brick, 2 stories, 14x26 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), South side Hartel street, West of Castor road, \$50,000. Architect, private plans. Owners, Castor Highland Development Co., Castor and Hartel streets, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

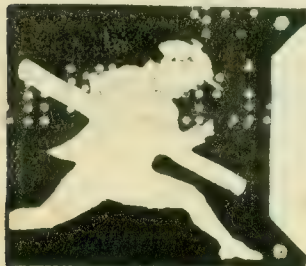
Residences (40), Friendship street, West of Frankford avenue, Philadelphia, \$181,000. Architect, private plans. Owners, Haney & Hannigan, 1447 Cayuga street, Philadelphia. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Service Station, Northeast Corner Oxford avenue and Van Kirk street, Philadelphia, \$15,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x15 feet. Permit issued.

Residences (2), East side Bingham street, South of Bleigh street, Philadelphia, \$11,000 total. Architect, private plans. Owner, Harry Gorelick, 2427 Douglas street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage (repairs), rear 5617-19 North Lawrence street, Philadelphia, \$4,000. Architect, private plans. Owner, John Ashton, 5302 North Fifth street, Philadelphia. General fire repairs. Permit issued.

Residences (15), South side Dicks avenue, East of Sixty-fourth street, Philadelphia, \$61,000. Architect, private plans. Owners, Holden & Sklar, Northeast Corner Fifty-seventh and Florence avenue, Philadelphia. Brick, 2 stories, 15 feet 7 inches x 26 feet 5 inches,



Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



12 feet 2 inches x 9 feet 7 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (10), East side Twentieth street, South of Conlyn street, Philadelphia, \$53,000. Architect, private plans. Owner, Philip Yoskin, 2246 South Sixty-sixth street, Philadelphia. Brick, 2 stories, 15x29 feet, 10x8 feet, slag roof, pine floors, electric light. Permit issued.

Residences (3), 565-67-69 East Haines street, Philadelphia, \$14,000. Architect, private plans. Owner, Martin F. Connor, 573 East Haines street, Philadelphia. Brick, 2 stories, 15x26 feet, 13x28 feet, slag roof, pine floors, electric light. Permit issued.

Residences (10), 644-62 North Sixty-fifth street, Philadelphia, \$80,000. Architect, private plans. Owners, Stradley & Cella, Sixty-fifth and Media streets, Philadelphia. Brick, 1 story, 15x34 feet, 11x22 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences (33), South side Sanger street, East of Langdon street, Philadelphia, \$117,500. Architect, private plans. Owner, Ginnaro Olivieri, 1814 Fillmore street, Philadelphia. Brick, 2 stories, 15x32 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage and Storage Building, 1607-09 McKean street, Philadelphia, \$7,000. Architect, private plans. Owner, John B. Acchione, 755 South Warnock street, Philadelphia. Brick, 2 stories, 32x70 feet, slag roof, cement floors, electric light. Permit issued.

Store (alts.), 1514-16 Market street, Philadelphia, \$2,000. Architect, private plans. Owners, Snyder Hat Store, Inc., 133 West Twenty-first street, New York. General alterations. Contract awarded to Kober Const. Co., 34 South Seventeenth street, Philadelphia.

Residences (30), West side Alcott street, North of Loretto street, \$122,000. Architect, private plans. Owners, John M. Snyder & Son, Fourth and Nedro avenue, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 27 feet 8 inches, 12 feet 7 inches x 8 feet 4 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (12), 6501-23 Elmwood avenue, Philadelphia, \$80,500. Architect, private plans. Owners, Sindoni & Polito, 2001 South Norwood street, Philadelphia. Brick, 2 stories, 15 feet 10 inches x 31 feet 3 inches, 13x26 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence (add. and alts.), 1602 Spruce street, Philadelphia, \$13,500. Architect, private plans. Owner, William J. O'Brien, 1033 Walnut street, Philadelphia. Brick, 2 stories add., 15 feet 6 inches x 20 feet, general alterations. Permit issued.

Garage and Store, Southwest Corner Fourth and Wyoming streets, Philadelphia, \$3,710. Architect, private plans. Owner, H. Schrandt, 604 East Wyoming street, Philadelphia. Brick, 1 story, 75x20 feet, store, 1 story, 20x16 feet, slag roof, pine and cement floors, electric light. Permit issued.

Residences (46), Nassau Road and 57th St., Phila. Architect, E. Allen Wilson, 1208 Chestnut St., Phila. Owner, John Woolley, 5208 Chestnut St., Phila. Stone, brick, 2 stories, 15x40 feet, slag, slate and tin roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, basement garage. Owner will be ready for sub-bids March 19th.

Apartment, 4605-07 Cedar Ave., Phila. Architect, J. S. Fuller, 26 S. 15th St., Phila. Owner, name withheld. Brick stucco, steel, limestone, 3 stories and basement, 46x106 feet, slag roof, hardwood floors, cement work, incinerator, kitchen equipment, Murphy door beds, vapor heat, oil burning, electric light, tile and marble work, hollow metal skylights, fire tower. Plans in progress, ready for sub-bids in two weeks.

Church, 10th and Roosevelt Blvd., Phila. Architect, Ralph B. Bencker, Bellevue Court, Phila., Owner, First Christian Church, Rev. C. Agee, Northeast Blvd., Phila. Stone, cast stone, steel, 1 story and balcony, 135x85 feet, (plumbing, heating, electric, leaded glass, reserved), slate roof, cement floors, metal lath, ornamental iron work, Craftex finish, celotex, acoustic treatment, metal toilet partitions, alberne, stone, flagstone. Architect taking preliminary bids on revised plans due as soon as possible.

Residences (30), S. side Godfrey Ave., W. of Bingham St., \$135,500. Architect, private plans. Owners, Kaplan & Levicott, 6741 Gratz St., Phila. Brick, 2 stories, 15x35 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (28), 72nd Ave., W. of 20 St., St., Phila., \$127,000. Architect, private plans. Owners, Griffith & Holland, 5701 N. 17th St., Phila. Brick, 2 stories, 15x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, S. W. Cor. Rising Sun and Afton St., Phila., \$5,000. Architect, private plans. Owner, Forrest A. Brewer, 2851 S. Sydenham St., Phila. Frame, 2 stories, 20x38 feet, hot air heat, electric light. Permit issued.

Residence, E. Side Wissinoming Ave., N. of St. Vincent St., \$4,000. Architect, private plans. Owners, Peters & Smith, 6715 Jackson St., Phila. Brick, 2 stories 16 feet 4 inches by 39 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Dyre and Rutland Sts., Phila.

Architect, W. K. Henkels, Wayne Ave and Washington Lane, Phila. Owner, Welford Gray, 1211 Harrison St., Phila. Stone, 2½ stories and basement, 45x40 feet, irregular, slate roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, ornamental iron work, flagstone. Architect taking bids due March 21st.

Elementary School, Pratt and Mulberry St., Phila. Architect, I. T. Catherine, 19th above Chestnut St., Phila. Owner, Board of Education, 19th above Chestnut St., Phila. Brick, limestone, steel. Owner will advertise for bids March 21st, bids due April 5th at noon.

School, Bleigh Cottage, Aldere and Walker Sts., Phila. Owner, Board of Education, 19th above Chestnut St., Phila. Work contemplated.

University Bridge, on line 34th St. over Schuylkill, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Steel, concrete abutments, 536 feet long, center span 100 feet long. Driveway 54 feet wide, 2 9-foot sidewalks. Plans completed. Owner will be ready for bids in about two weeks. \$1,300,000.

Sewage Disposal Project, Phila., \$5,000,000. Owner, Dept. of Public Work, Bureaus of Engineers, 216 City Hall. Owner taking bids due April 6th at noon. Certified check 5%. A—Upper Delaware collecting sewer from Wheatsheaf Lane and Richmond St. to Holmesburg Ave and State Road, Phila. Inquire Room 416.

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE Co.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO
DAISY, TENN.

BRICKS HOLLOW TILE

COX - JANEWAY CO.
Real Estate Trust Building
PHILADELPHIA
C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB
for leveling FOUNDATIONS. ONE ERROR may cost you
many times the price of a

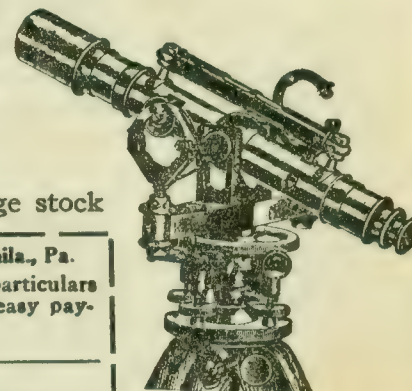
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock
of Rebuilt Engineers' Transits and
Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars
about the Weilco Level and your easy pay-
ment plan.
Name _____
Address _____

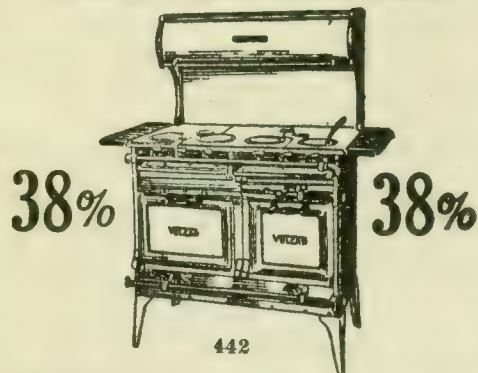


SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

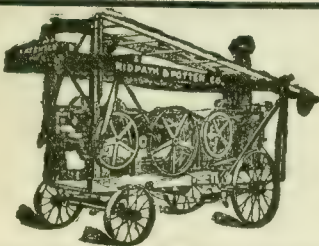
532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

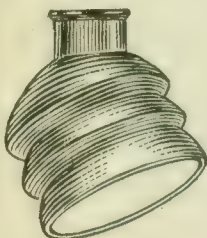
VULCAN SMOOTHTOP
(COMPACT CABINET) GAS RANGES

38% 38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.64 & 66 N. SECOND STREET
Phone, Bell, Market 1414**We Drill Wells and Get Water****Test Borings and Soundings**Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.

You Can't Buy Better—Let Us Prove It

Hamiltile**RUBBER FLOORS**THE HAMILTON RUBBER MFG. CO.
12317 Walnut Street, Philadelphia

LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Sales Building, Twenty-third and Wood streets, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, R. H. Greenberg, Morris Building, Philadelphia. Lessees, Firestone Tire Co., 2401 Chestnut street, Philadelphia. Brick, reinforced concrete, granite, 4 stories and basement, 170x100 feet, slag roof, cement floors, hollow tile, elevators, plumbing, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, Peele fire doors and kalamein doors, waterproofing, architectural terra cotta, ornamental iron work, painting and glazing, steel toilet partitions, sprinkler ash hoist, Keranuk treatment, dumb waiter, tin clad doors. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

School, Forty-first and Brown streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 213x104 feet, slag roof, maple and cement floors, metal lath, rolled steel sash, bond, ornamental iron work, Parlock waterproofing, dampproofing (plumbing, heating and electric separate). Contracts awarded: McCloskey Co., 1620 Thompson street, Philadelphia, \$403,296. Electric, Mitchell & Co., 1337 McFerran street, Philadelphia, \$16,300. Plumbing, William Newell, 2035 Arch street, \$19,184. Heating, L. J. Somers, 2436 Brown street, \$43,936. Ventilating, S. Faith & Son, 2427 Pennsylvania avenue, \$1,997.

Branch Bank, Stores and Apartments, Twenty-second and Venango streets, Philadelphia. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Broad Street National Bank, Broad and Diamond streets, Philadelphia. Brick, steel, 2 stories and basement, 24x230 feet, slag roof, cement, oak and pine floors, steam heat, electric light, metal lath, tile and marble work, ornamental iron work. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Chapel and School, Sanger and Roosevelt Boulevard, Oxford Circle, Philadelphia, \$150,000. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Martin of Tours, Rev. J. P. McHugh, on premises. Stone, steel, 3 stories and basement, 94x138 feet, slag

roof, cement and maple floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded N. W. Bryan, 10 South Eighteenth street, Philadelphia.

Bank Building, Kensington avenue and Torresdale avenue, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Fairhill Trust Co., Fifth and Allegheny avenue, Philadelphia. Brick, limestone, steel, 1 story and basement, 60x60 feet, slag roof, cement floors, steam heat, electric light, metal lath, ornamental iron work. Contract awarded Robert E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Store Building, 2033 Chestnut street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, 2033 Chestnut Street Realty Co., care of architect. Brick, steel, limestone, plastering, painting, vapor heat, 4 stories, electric light, tile and marble work. Contract awarded J. W. Emery, 34 South Sixteenth street, Philadelphia.

Store Building, 537-39 South street, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, cut stone, steel, 2 stories and basement, 43x90 feet, slag roof, maple and cement floors, waterproofing, steam heat, electric light, bond, ornamental iron work. Contract awarded Fred Elvidge & Son, 5522 Germantown avenue, Philadelphia.

Swimming Pool, Locker and Recreation Building, 4623 Lancaster avenue. Architects, Stackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Shanahan Catholic Club, on premises. Cyclone fence, stone work, concrete work, bond, steel, 1 story, tile roof, carpentry and mill work, metal toilet partitions, kalamein doors, metal ceilings, plastering, painting, electric work, steel sash (plumbing and heating reserved). Contract awarded James Kelly Const. Co., Bulletin Building, Philadelphia. Plumbing and heating awarded to Charles McCarthy, Otis Building, Philadelphia.

Alterations, 1634 Walnut street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, 1634 Walnut Street Realty Corp., care of architect. Plumbing, stone work, brick work, plastering, limestone, cement work, slag roof, carpentry and mill work, marble work, steam heat, tile work,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS

OFFICE AND SHOW ROOM
1923-1925 MARKET ST.WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

painting and glazing, plumbing, electric work. Contract awarded H. John Homan Co., Eighth and Cherry streets, Philadelphia.

Garage, Thirteenth and Waverly streets, Philadelphia. Architect, private plans. Owners, Associated Realty Co., 1600 Walnut street, Philadelphia. Brick, steel, 4 stories and basement, 86x60 feet, 36x30 feet, 50x90 feet, slag roof, cement floors, elevators, rolled steel sash, steam heat, electric light. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Apartment Building, Vernon road and Milton street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, Vernon Apartment Co., care of architect. Brick, 3 stories and basement, irregular in size, vapor heat, oil burning, electric light, slag roof, hardwood floors, incinerator, refrigerator. Contract awarded M. Kirschner, 2419 North Fifty-sixth street, Philadelphia. Ready for sub-bids.

Fire Restoration, 5031 North Ninth street, Philadelphia. Architect, private plans. Owner, L. E. Ash, on premises. General fire restoration. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Store and Residence (alts. and add.), Northeast Cor. Forty-third and Wyalusing ave. Architect, private plans. Owner, Joe Solomon, on premises. Brick, 2 stories, 15 feet 6 inches x 18 feet, slag roof, pine floors, hot water heat, electric light, metal bulks, cement, plumbing. Contract awarded J. Goldfarb, 2523 South Reese street, Philadelphia.

Garage and Storage Building (alts. and add.), rear of 1704 Walnut street, Philadelphia, \$5,000. Owners, Levy & Macgime, 1424 Walnut street, Philadelphia. Brick, 2 stories, 23x31 feet, brick add., 1 story, 8x20 feet. Contract awarded to J. J. O'Neill, Jr., 629 Chestnut street, Philadelphia.

Residence, 641 East Penn street, Philadelphia, \$3,000. Owners, Germantown Hospital, 640 East Penn street, Philadelphia. Brick, 2 stories add., 6 feet 6 inches x 30 feet. Contract awarded to I. A. Dunkelberger, 71 East Herman street, Philadelphia.

Residence and Store (add.), rear of Northeast Corner Sixty-sixth and Dicks avenue, \$2,000. Architect, private plans. Owner, Isadore Dubill, on premises. Brick, 1 story, 16x37 feet. Contract awarded to H. Steingard, 639 West Moyamensing avenue, Philadelphia.

Club House (add.), 232 South Fourth street, Philadelphia, \$9,000. Owners, Fire Insurance Society, on premises. Brick, 2 stories add., 10x28 feet. Contract awarded to F. B. Davis & Son, 240 North Sixteenth street, Philadelphia.

Residence and Store (add. and alts.), 723 North Forty-second street, Philadelphia, \$3,200. Architect, private plans. Owner, Charles Higgins, 723 North Forty-second street, Philadelphia. Brick, 3 stories, 11x20 feet, general alterations. Contract awarded to Leonard Will, 651 North Frazier street, Philadelphia.

Show Rooms (4), South side Fairmount avenue, West of Seventeenth street, Philadelphia. Architect, Gabriel B. Roth, 1629 Chestnut street, Philadelphia. Owners, Barron & Irwin, Packard Building, Philadelphia. Brick, 2 stories, 30 feet 5 inches x 45 feet, slag roof, electric work, cement work. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Shop and Storage Building (add.), 109 South Twenty-fourth street, Philadelphia,

\$16,000. Architect, private plans. Owner, H. T. Jones, on premises. Brick, second story add., 29x98 feet, slag roof, electric work. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Garage, 6430 Woodbine avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Lucy J. E. Parks, on premises. Stone, 1 story, 21x25 feet, cement floors. Contract awarded to M. W. Young, 2037 North Sixty-third street, Philadelphia.

Dyehouse, 3081 Ruth street (rear), Philadelphia, \$3,000. Architect, private plans. Owners, Horace Linton & Bro., 3081 Ruth street, Philadelphia. Brick, 1 story, 14 feet 5 inches x 58 feet. Contract awarded to M. Ward Easby, 1505 Race street, Philadelphia.

Apartment House, Northeast Corner Forty-second and Ludlow streets, Philadelphia, \$75,000. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, Morris Berman, 4246 Parkside avenue, Philadelphia. Brick, 4 stories, 35x114 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Plans filed. Contract awarded Abraham Berman, 635 Tree street, Philadelphia.

Wagon Shed, South side Ann street, West of Belgrade street, Philadelphia, \$8,000. Architect, private plans. Owner, Leon Gawronski, Belgrade and Cambria streets, Philadelphia. Brick, 1 story, 60x120 feet. Contract awarded to William Marriott, 2912 North Third street, Philadelphia.

Condenser, Southeast Corner Fourth and Poplar streets, Philadelphia, \$5,000. Owners, Colonial Ice Cream Co., on premises. Contract awarded to William Steele & Sons Co., 124 North Fifteenth street, Philadelphia.

Greenhouse, rear 8811 Germantown avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Mrs. B. R. Marsden, on premises. Brick, 17 feet 5 inches x 35 feet. Contract awarded to Hitchins & Co., 6701 North Broad street, Philadelphia.

Storage and Office, 1261 South Forty-sixth street, Philadelphia, \$2,000. Architect, private plans. Owner, W. S. Groves, 1261 South Forty-sixth street, Philadelphia. Brick, 1 story, 15x32 feet. Contract awarded to William F. Koelle & Co., 2601 Oxford street, Philadelphia.

Residence, S. E. Cor. Springfield Ave. and Crefeldt Sts., Phila., \$20,000. Architect, private plans. Owners, Moore & Goldsborough, Inc., Widener Bldg., Phila. Stone, 2 stories, 43x32 feet, slate roof, hardwood and pine floors, electric light, tile work. Contract awarded to John R. Erbe, 2551 N. 6th St., Phila.

Residence, Springfield St., S. of Crefeldt

St., St. Martins, Phila., \$18,000. Architect, S. W. Marshall, 1524 Chestnut St., Phila. Owner, F. Kimball Hagar, Lafayette Bldg., Phila. Stone, 2 stories 45x29 feet, 18x21 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John R. Erbe, 2551 N. 6th St., Phila.

Residence (alts.), 4734 Kingsessing Ave., Phila., \$3,000. Architect, private plans. Owner, E. Fisher, North American Bldg., Phila. General alterations. Contract awarded to Daniel Josephson, 5405 Walnut St., Phila.

Residence, N. Mt. Pleasant Road, Chestnut Hill, Pa. Architect, John B. Thompson, 34 S. 17th St., Phila. Owner, W. Russell Rake, 140 W. Durham St., Chestnut Hill. Stone, 2½ stories and basement, 41x37 feet, slate roof, oak and pine floors, hot water heat, electric light. Architect taking bids due March 18th.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

: Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick Paving Brick

Ornamental Terra Cotta

Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ber
19 W

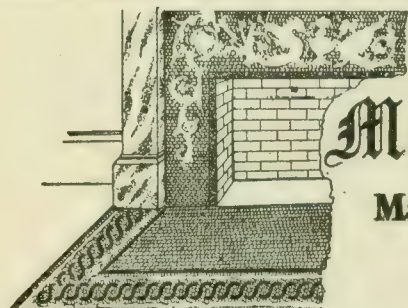
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON

Protects Concrete

Regulates the set, and eliminates uncertainty
of cement floor finish. Furnished in crystals
the job. This results in economy. For further

WAREHOUSE STOCK
IN PHILADELPHIA

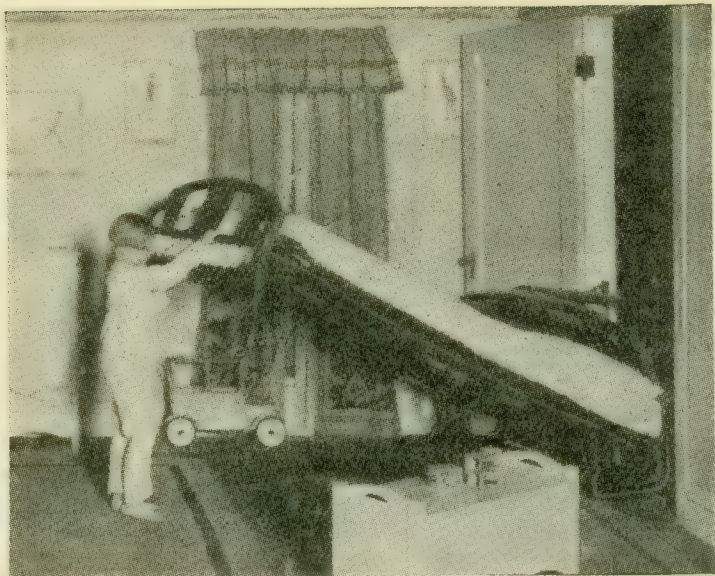
'Phones—Bell, Rittenhouse 7526
Keystone, Race 6510



EDS

nes
ngs
all at our
n kitchen
boards as
eds

CO.
Building
14th Street
York
BED



A child can operate the be d

fortable, Convenient
here represented sell
l Specified Materials or
t of their co-operation.



EMPERITE

om Freezing

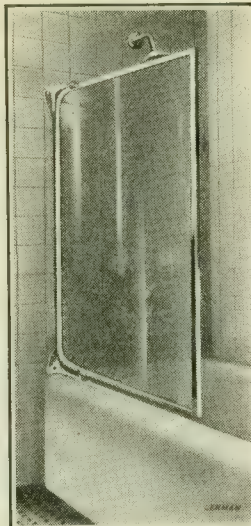
as to time for first trowelling
orm, all water being added at
nformation, ask

le Truscon
boratories



Phila. Office :
1505 Race Street

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS

TERRAZZO

CERAMICS

TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

That plan of the king in olden times who killed the messenger who brought him bad news has my approval. Blessed are those who bring glad tidings! If you cannot write a good letter—don't!—Elbert Hubbard.

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE
LIMESTONE
GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Pennsylvania Construction News

Residence (alts. and add.), Neshaminy, Pa. Architect, Edward Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Stone add., 2½ stories, 18x34 feet, present building, 42x22 feet, entire new slate roof, hardwood floors, hot water heat, oil burner, general alterations to present building, plumbing, brick, carpentry, tile, baths (3). Plans in progress.

Stores, Office Building and Apartment, Edgemont street, Chester, Pa. Architect, Frank C. Watson, Chester, Pa. Owner, name withheld. Brick, steel, 3 stories, 100x100 feet, slag roof, hardwood and maple floors, plumbing, hot water heat, electric light, tile work. Plans in progress.

Residence, Meadowbrook, Pa. Architect, C. Rabenold, 1524 Chestnut street, Philadelphia. Owner, Wayne Herkness, Land Title Building, Philadelphia. Stone, 2½ stories, 114x28 feet, slate roof, hot water heat, hardwood floors, electric light, tile work. Plans in progress.

Shop, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Lancaster Advertising Poster Co., care of architect. Concrete block, 1 and 2 stories, 50x125 feet, composition roof, electric light. Plans in progress.

Sunday School Unit No. 1, West Lawn, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Lutheran Church of the Advent, Rev. H. E. Herman, 16 Park avenue, Reading, Pa. Stone. Plans in progress.

School, Lewistown, Pa., \$100,000. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's Lutheran Church, Rev. Carl Simon, Lewistown. Brick. Plans in progress.

Sunday School, Wyncote, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Calvary Presbyterian Church, Rev. H. L. Cutler, Wyncote, Pa. Stone, 2 stories and basement, slate roof, maple floors. Plans in progress.

Manufacturing Building, Bethlehem, Pa. Engineers, William Steele & Sons Co., Fifteenth and Cherry streets, Philadelphia. Owners, R. K. Laros Co., Bethlehem, Pa. Brick, steel, 3 stories, 63x224 feet, wing, 1 story, 39x224 feet, slag roof, cement floors, elevator, steam heat, electric light, rolled steel sash, sprinkler. Plans about completed.

Junior High Schools (2), Cheltenham, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cheltenham Township School Board, Cheltenham, Pa. Architects selected.

Dormitory Building, Quincy, Pa. Architects, Kast & Kelker, Harrisburg, Pa. Owners, Quincy United Brethren Orphanage and Home, Quincy, Pa. Brick, fireproof, 2 stories and basement, 45x80 feet. Plans in progress.

Director's Log Cabin, Camp Delmont, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, Delaware and Montgomery Counties Boy Scouts, Camp Delmont, Pa. Plans completed.

Residence (alts.), Riverside, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Dr. J. S. Oenslager, 711 North Third street, Harrisburg, Pa. Plumbing, vapor heating, general alterations. Plans in progress.

Store and Office, Second street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Miller Kades, care of architect. General alterations to four-story building, oak floors, elevators, plate glass, tile work. Plans in progress.

Bridge, Pavin gaud Grading, Delaware County, Pa., \$285,713. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Work contemplated.

Residences (2), Jenkintown, Pa. Architect, Conrad F. Neff, Twelfth and Locust streets, Philadelphia. Owner, E. S. Radley, Noble Vista, Pa. Stone, frame, 2½ stories, 27x40 feet, shingle roof, hardwood and cement floors, hot water heat, electric light, tile work, garage, 1 story, 18x22 feet. Owner taking sub-bids.

Shooting Gallery, Woodside Park, Pa. Architect, Edward Schoeppe, 1437 Spruce street, Philadelphia. Owners, Woodside Real Estate Co., care of architect. Steel frame, steel plate, galvanized iron, 1 story 37x48 feet, slag roof, concrete floors, stucco front, electric light, motors. Plans about completed. Owners ready for sub-bids at architect's office.

Hospital Building, Harrisburg, Pa. Architects, Kast & Kelker, 222 Market street, Harrisburg, Pa. Owners, Keystone Hospital, 801 North Third street, Harrisburg, Pa. Brick, steel frame, 5 stories and basement, fireproof, 60x130 feet. Architects will be ready for bids in two weeks.

Lodge Building and Stores, Linwood, Delaware County, Pa. Architect, C. W. Brazier, Chester, Pa. Owners, Farmers and Mechanics, No. 185, I. O. O. F., W. N. Goff, Marcus Hook, Pa. Brick, stone, 2 stories and basement, 40x100 feet, slag roof, pine and maple floors, plumbing, steam heat, electric light, tile work. Architect taking bids.

Store and Apartment, Wayne, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Frank Cocoagna, Wayne, Pa. Brick, stucco, 2 stories, 40x60 feet, slag roof, pine floors, hot water heat, electric light, plumbing. Owner taking sub-bids.

Church, Moore, Pa., \$100,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Olivet Presbyterian

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Church, Rev. Wesley K. Richardson, Moore, Pa. Stone, 1 story and basement. Owners building.

Residences and Basement Garages, 712-14 Burmont terrace, Drexel Hill, Pa., \$12,000. Architect, private plans. Owners, B. H. Davis & Bro., 720 Burmont terrace, Drexel Hill, Pa. Stone, frame, 2½ stories and basement, 16x40 feet, shingle roof, oak and pine floors, hot water heat, electric light, ornamental iron work. Owners taking sub-bids due at once.

Residence and Garage, 2408 Garrett road, Drexel Hill, Pa., \$9,000. Architect, private plans. Owner, Leon Freeman, 743 Turner avenue, Drexel Hill, Pa. Stone, frame and stucco, 2 stories, 49x25 feet, garage, 18x18 feet, hardwood floors, hot water heat, electric light, metal lath, tile work, wire work. Owner taking sub-bids at once.

Residence and Garage, 387 Kirks avenue, Drexel Hill, Pa., \$10,000. Architect, private plans. Owner, Thomas A. Brown, 440 Monroe road, Brookline, Pa. Stone, frame, stucco, 2 stories, 26x34 feet, garage, 18x18 feet, hardwood floors, electric light, tile work. Owner taking sub-bids.

Residence and Garage, 712 Connell avenue, Drexel Hill, \$6,000. Architect, private plans. Owners, Sheldrake Brothers, 2029 North Twelfth street, Philadelphia. Stone, frame, stucco, 2 stories, 35 feet 6 inches x 24 feet 7 inches, garage, 14x18 feet. Owners taking sub-bids due at once.

Residence, Rydal, Pa. Architect, Philip L. Goodwin, 607 Fifth avenue, New York City. Owner, Mrs. Josephine S. Goodwin, care of architect. Stone, stucco, 2½ stories and basement, 80x50 feet, slate roof, oak and pine floors, metal weather strip, hot water heat, electric light, ornamental iron work, flagstone, metal lath, tile and marble work, refrigerators, oil burner. Architect taking bids due March 21st.

Residence (alts. and add.), Berwyn, Pa. Architects, Willing, Sims, Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Ellison Thompson, Abington, Pa. Frame, 2½ stories and basement, 20x40 feet, 12x22 feet (plumbing, heating and electric reserved), shingle roof, oak and pine floors, metal lath, ornamental iron work, flagstone. Architects taking bids due March 17th at noon.

Church, Shenandoah, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Annunciation of Blessed Virgin Mary Church, Rev. H. McFall, Shenandoah, Pa. Brick, limestone, steel, 1 story, balcony and basement, 131x63 feet, copper roof, cement and maple floors, roof ventilators, metal weather strip, metal lath, tile work, hollow metal sash, kalamein doors, bond, iron stairs, ornamental iron work, integral waterproofing, area gratings, cast stone, granite, wrought iron pipe, plumbing, metal toilet partitions, rubber tile floors. Architects taking bids due March 25th.

Church and Sunday School, Tyrone, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, First Methodist Episcopal Church, J. W. Hedding, Tyrone, Pa. Stone, 1½ stories, 2 stories and basement, 80x100 feet, slate roof, pine and cement floors, steam heat, electric light. Owners taking bid sduue March 22nd, 5 P. M.

Church, Elmhurst, near Seranton, Pa. Architect, Emil G. Perrot, 1211 Arch street, Phil-

adelphia. Owners, St. Eulalia Roman Catholic Church, care of Rev. T. M. Jordon, St. Catherine's Rectory, Moskow, Pa. Stone, 1 story, 34x70 feet, slate roof. Owners taking bids due at Moskow, Pa., March 22, at noon.

Garage and Service Station, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Yellow Cab Co., care of Mr. Haines, 312 Cherry street, Reading, Pa. Concrete block, steel, brick, 2 stories, 40x200 feet, built-up roof, concrete floors, hollow tile, roof ventilators, waterproofing and dampproofing, iron stairs, floor hardener, fire doors, steel sash, hot water and steam heat, electric light. Architect taking bids due March 18th.

Gymnasium and Auditorium, Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, care of Bethlehem Steel Co., Steelton, Pa. Fireproof, 1 story, 216x60 feet, built-up roof, concrete and maple floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, steel sash and skylights, tile and marble, metal lath (heating, plumbing and electric separate). Owners taking bids due April 1st.

Schools (2) (alts.), Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, Steelton, Pa. Partitions, alterations, laboratory equipment, school equipment (heating, plumbing, electric separate). Owners taking bids due April 1st.

Washington School and Roosevelt School, Norristown, Pa. Architect, Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, School District of Norristown, C. I. Moore, Norristown, Pa. Brick, reinforced concrete, cut stone, 2 stories and basement, slag roof, cement floors, maple floors, hollow tile, metal lath, metal ceiling, bond, ornamental iron work, iron stairs, iron stack, area gratings. Owners taking bids due March 18th. Washington School, 24x60 feet. Roosevelt School, 24x60 feet.

Residences and Garages (7), Childs Ave., Drexel Hill, Pa., \$9,000 each. Owner, Jos. Stewart, 632 Harper Ave., Drexel Hill, Pa. Stone, brick, clapboard, 2 stories, 35x34, 18x18 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, metal lath. Owner taking sub-bids at once.

Gymnasium Building and Auditorium, Elizabethtown, Pa. Architects, Kast & Kelker, 222 Market St., Harrisburg, Pa. Owners, Elizabethtown College, Elizabethtown, Pa. Brick, 80x100 feet. Plans in progress.

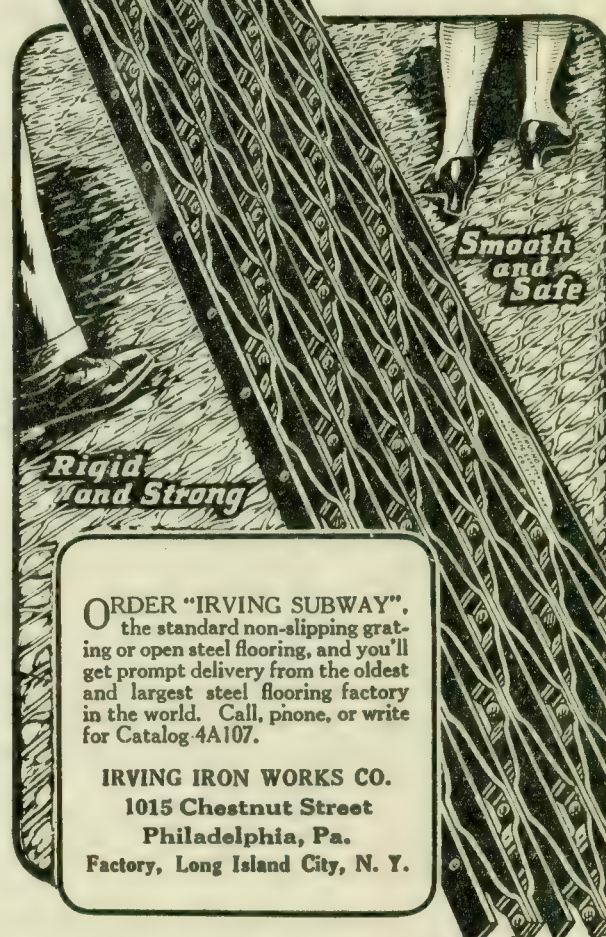
Science Building, Elizabethtown, Pa. Architects, Kast & Kelker, 222 Market St., Harris-

burg, Pa. Owners, Elizabethtown College, Elizabethtown, Pa. Brick, 2 stories. Plans in progress. Will be ready for bids March 25th.

Church (add.), Springfield, Pa. Architect, Harry C. Stewart, 316 Summit Road, Springfield, Pa. Owner, First Presbyterian Church, Springfield, Pa. Frame, 1 story, 35x18 feet, canvas roof, pine and cement floors, steam heat, electric light. Architect taking bids due March 18th.

Residence, Dev. Conshohocken Ave. and Bryn Mawr Ave., Cynwyd, Pa. Architect, private plans. Owner, P. J. Lawler, Upper Darby, Pa. Stone, hollow tile, stucco various types and sizes, grading, paving and roadwork. Work contemplated. Owner will start work in about one month.

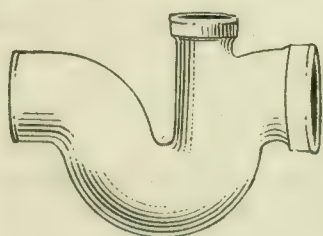
Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING SUBWAY FLOORING



When you want Prompt Service, Intelligent Co-operation and Reliable

SEWER PIPE, FLUE LINING, WALL COPING

CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen

27th and Diamond Streets, Philadelphia

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, James L. Stuart, secretary, Harrisburg, Pa. Owners taking bids due March 25th, at 10 A. M.

Allegheny County, R-70, Sec. 4A, A-4358, Blawnox Borough and O'Hara Township, 12,355 feet. One course reinforced concrete. Certified check, \$3,000.

Bradford County, A-4310, Ridgebury Township, 29,286 feet. One course reinforced concrete. Certified check, \$3,000.

Jefferson County, R-357, A-3701, Ringgold Township, 13,877 feet. One course reinforced concrete. Certified check, \$2,000.

Northampton County, R-4490, Lehigh Township, 26,822 feet. One course reinforced concrete. Certified check, \$3,000.

Somerset County, R-50, A-4049, Milford, Middle Creek and Upper Turkeyfoot Townships, 18,312 feet. One course reinforced concrete, 2,558 feet. Grading and drainage. Certified check, \$3,000.

Warren County, R-94, Sec. 2, Warren Borough, 1,537 feet. One course reinforced concrete. Certified check, \$1,000.

Owners taking bids due March 26th, at 10 A. M.:

Berks County, R-149, Heidelberg Township, 850 feet. Grading and drainage. Certified check, \$500.

Berks County, A-4425, Ruscombmanor Township, 8,372 feet. One course reinforced concrete. Certified check, \$2,000.

Berks County, R-518, Sec. 1, A-3952, Cumru Township, 19,872 feet. One course reinforced concrete. Certified check, \$2,500.

Blair County, A-4233, Logan Township, 4,210 feet. One course reinforced concrete. Certified check, \$1,000.

Clarion County, R-311, A-4277, Perry Township, 5,635 feet. One course reinforced concrete. Certified check, \$1,000.

Fayette County, R-288, Sec. 4, R-247, A-4253, Franklin and Perry Townships, 21,504 feet. One course reinforced concrete. Certified check, \$3,000.

Greene County, R-112, Sec. 4, A-4238, Carmichaels Borough, Cumberland Township, 5,407 feet. One course reinforced concrete. Certified check, \$1,000.

Lehigh County, A-4934, Hanover Township and City of Bethlehem, 12,523 feet. One course reinforced concrete. Certified check, \$2,000.

Northampton County, A-4473-4474, Palmer and Bethlehem Townships, 27,684 feet. One course reinforced concrete. Certified check, \$3,000.

Warren County, A-4104, Pleasant Township, 13,444 feet. One course reinforced concrete. Certified check, \$2,000.

Pennsylvania Contracts Awarded

Apartment House, Merion, Pa. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owners, Highland Court Apartments, care of builder. Brick, 12 stories, hot water heat, electric light, tile work, slag roof, hardwood floors, 30 family apartments. Contract awarded W. D. & H. T. Smedley, Narberth, Pa., taking sub-bids due at once.

Residences (2), Swarthmore, Pa. Architect, J. L. Conarroe, 225 South Sydenham street, Philadelphia. Owners, George Buck and Dr. C. Howland, care of architect. Stone, brick, 2½ stories and basement, 38x45 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded H. H. Wehmeyer, 509 West Cumberland street, Philadelphia.

Residence, Haverford, Pa. Architect, Wick-

ham C. Taylor, Citizens' Bank Building, Norfolk, Va. Owner, James R. McClure, Jr., care of McClure & Co., Packard Building, Philadelphia. Stone, 2½ stories and basement, 45x36 feet, slate roof, oak, pine and cement floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded (not signed) H. G. Campion, Otis Building, Philadelphia.

High School, Carlisle, Pa., \$196,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Carlisle School Board, Thomas Vale, secretary, Carlisle, Pa. Brick, steel, concrete, 2 stories, 202x62 feet, built-up roof, maple floors, composition floors, hollow tile, safety treads, roof ventilators. Contract awarded to J. W. Pomraning, Mechanics Trust Building, Harrisburg, Pa. Plumbing to Frederick Company, Carlisle, Pa.

Garage, Cameron street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Myers' Accessory House, Eleventh and Mulberry streets, Harrisburg, Pa. Concrete, 2 stories, 44x81 feet, slag roof, concrete floors, roof ventilators, fire doors, steel sash, electric light. Contract awarded J. W. Pomraning, Mechanics Trust Building, Harrisburg, Pa.

Chapel, West Fairview, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Rt. Rev. P. R. McDevitt, 111 State street, Harrisburg, Pa. Frame or brick, 1 story and basement, 75x38 feet, shingle roof, pine floors, steam heat, electric light. Contract awarded to F. De Grott, Twelfth and Derry streets, Harrisburg, Pa.

School (equipment), Horsham, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, Horsham, Pa. Contract awarded John R. Kirk, Ambler, Pa. Plumbing, \$4,489. Heating, \$6,198. Electric, Robert J. Wright, 2315 Walnut street, Philadelphia, \$1,670.

Garage, Elkins Park, Pa. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owner, L. L. Miller, Real Estate Trust Building, Philadelphia. Brick, steel, 1 story and basement, 247x160 feet, steam heat, electric light, slag roof, cement floors, bond, ornamental iron work. Contract awarded De Paul Brothers, 1262 East Washington lane, Philadelphia.

High School, Norristown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School District of Norristown, Pa. Contract awarded on plumbing to J. Borden, 637 North Nineteenth street, Philadelphia, \$20,354.

Equipment, Delaware County Hospital, Upper Darby, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Delaware County Hospital, Dr. T. C. Beswick, Upper Darby, Pa. Contracts awarded: Laundry, American Laundry & Machine Co., 3846 Lancaster avenue. Kitchen, Victor V. Clad & Co., 119 South Eleventh street, Philadelphia. Sterilizer, Hospital Supply Co., 155 East Twenty-third street, New York.

Residence, Drexel Hill, Pa., \$9,000. Architect, Willis A. Hall, Upper Darby, Pa. Owner, Arthur Wilson, Collingdale, Pa. Hollow tile, stucco, 2½ stories and basement, irregular in size (plumbing, heating reserved), electric light, metal lath, tile work, shingle roof, oak and pine floors, ornamental iron work. Contract awarded Harry Lucas, 47 South Turnbull avenue, South Ardmore, Pa.

Church (fire repairs), Pottstown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Trinity Reformed Church, Rev. J. H. Smith, Pottstown, Pa. Brick, brownstone, steel, 2 stories and basement, 31x52 feet, slate roof, cork tile floors, electric light, tile, iron and brass, cut stone, waterproofing. Contract awarded to W. L. Hampton, Pottstown, Pa.

Masonic Home, King and Franklin streets, Pottstown, Pa., \$130,000. Architect, A. S. Kepner, Pottstown, Pa. Owners, Stichter Lodge Masonic Temple Association, Pottstown, Pa. Brick, cut stone, granite trim, 3 stories and basement, 60x100 feet, steam heat, electric light, tile work, maple floors. Contract awarded F. H. Keiser, Pottstown, Pa.

Bridge No. 196 and Widening Road, Montgomery County, Pa. **Bridge**, near North Wales, Pa. Engineer, Warren B. Cressman, Norristown, Pa. Owners, Montgomery County, Norristown, Pa. Contracts awarded: Bridge No. 196 and widening road, Carl R. Camp, 10 South Eighteenth street, Philadelphia, \$14,900. North Wales Bridge, W. U. Keeler & Son, Spring Mount, Pa., \$7,200.

Power House, Bloomsburg, Pa. Architects, The Ballinger Co., Twelfth and Chestnut street, Philadelphia. Owners, Magee Carpet Co., on premises. Brick, steel, 1 story, 59½x104½ feet. Contract awarded Dresser Co., Cleveland, Ohio.

Lumber Warehouse, State Road and P. W. & B. R. R., Upper Darby, \$2,600. Owner, Beatty Lumber Co., State Road and P. W. B. Railroad, Upper Darby. Frame with concrete floorings, 1 story, 48x54 feet, electric light, Contract awarded F. T. Mercer Co., 121 Windsor Ave., Lansdowne.

Monument Show Room, 649 Lansdowne Ave., Upper Darby, Pa., \$5,000. Owner, Spargo Granite Co., Upper Darby, Pa. Brick, 1 story, 49x17 feet, slag roof, electric light, enclosed porch. Contract awarded Chas. Bennett, 1633 S. 59th St., Phila.

Residence and Garage, Greenfield, near Reading, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut St., Phila. Owner, W. Y. Landis, care of architects. Stone 2½ stories, 53x64 feet, garage and quarters, stone 2 stories 33x80 feet, slate roof, hardwood and cement floors, vapor heat, electric light, tile and marble work. Contract awarded C. H. Schlegel, Reading, Pa. Plumbing and heating, J. Howard Fritz, Reading, Pa.

New Jersey Construction News

Residence (alts.) and Garage, West Eighth and Overbrook avenue, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Thomas Thropp, 541 East State street, Trenton, N. J. Brick, 1 story, slate roof, oak and concrete floors, hot water heat, electric light, tile work, general alterations. Plans in progress.

Residence, Torresdale, Pa. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, William B. Chamberlain, Jr., Torresdale, Pa. Cinder block, stone, stucco, 2½ stories, 100x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, steel sash, ornamental iron, flagstone. Plans in progress.

Church, Haddon Heights, N. J. Architects, Lackey & Hettle, Camden, N. J. Owners, St. Mary's Protestant Episcopal Church, Rev. W. C. Heilman, Haddon Heights, N. J. Stone. Plans completed. Will take bids in three weeks.

Church, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Gallilee Baptist Church, Rev. J. Wilson, Trenton, N. J. Brick, stone, 1 story and basement, 50x100 feet, slate roof, maple floors, waterproofing, vapor heat, electric light, tile work. Plans in progress. Architect will take bids in one week.

School (alts. and add.), Cinnaminson, N. J. Architects, Hill & Golden, Broad Street Bank Building, Trenton, N. J. Owner, H. G. Tay-

lor, Jr., Riverton, N. J. Brick, steel, concrete block, 1 story and basement, 1 room, shingle roof, pine floors, safety treads, metal partitions, electric work (heating, ventilating, plumbing, electric separate). Architects ready for bids.

Fire Headquarters, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, City of Trenton, care of City Committee, City Hall, Trenton, N. J. Bronze screens, steel lockers, dormitory beds, Murphy or White door beds, steel safes and cabinets, draperies and carpets. Deposit, \$10. Owners taking bids due March 18th.

Auto Supply Shop, Twenty-first and Federal streets, Marlton pike, Camden, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Lessees, Pep Auto Supply Co., Broad and Vine streets, Philadelphia. Owner, W. A. Jarden, Fifty-fifth and Lancaster avenue, Philadelphia. Brick, 1 story and basement, provision for second floor, plumbing, heating and electric work. Architects taking bids due March 23rd.

Armory (add.), Camden, N. J. Architect, Charles N. Leatham, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey State Military Board, W. J. Ellis, Commissioner Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 84x50 feet (plumbing, heating, electric separate bids), black slate and slag roof, cement and pine floors, metal lath, marble work, bond, tin-clad doors, ornamental iron work, membrane waterproofing, terra cotta coping, artificial stone, steel lockers, integral waterproofing, limestone, cast stone, area gratings. Certified check, 5 per cent. of bid. Owners taking bids due March 22nd, 1.30 P. M.

Hotel and Restaurant Building, Atlantic City, N. J. Architects, George B. Post & Son, 101 Park avenue, New York. Owners, Childs Company, 200 Fifth avenue, New York. Brick, limestone, 18 stories; 250x110 feet. Architects taking bids due March 19th.

Bank, Vineland, N. J. Architect, Ernest F. Strassle, 6 East Forty-sixth street, New York. Owners, The Tradesman Bank, Vineland, N. J. Reinforced concrete, brick, steel, 1 story, mezzanine and basement, 74x50 feet, slag roof, cement floors, hollow tile, plumbing, dampproofing, electric light, metal lath, tile and marble work, rolled steel sash, kalamein doors, ornamental iron work, iron stairs, cast stone, area gratings. Architect taking bids due March 18th.

Service Stations (3), Fourth and Van Hook streets, \$12,000; Federal street and Bridge Boulevard, \$15,000; Twenty-first and River avenue, \$2,500; Camden, N. J. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Block, 1 story, 10x24 feet, tile roof; block, 1 story, 15x20 feet; metal, 1 story, 6x20 feet. Permit issued.

Store and Residence, 1128 Van Hook street, Camden, N. J., \$5,000. Architect, private plans. Owner, Ludwig Grabowski, 1121 Kaighn avenue, Camden, N. J. Brick, 2 stories, 15 feet 6 inches x 49 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (6), 1141-43-47-49 and 1142-44 North Thirty-first street, Camden, N. J., \$4,500 each. Architect, private plans. Owner, William H. Townsend, 3129 River avenue, Camden, N. J. Frame, 2 stories, 14x38 feet,

Carey asphalt roof, hot water heat, electric light. Permit issued.

Supplies, Borough of Mt. Ephraim, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Mt. Ephraim, D. D. Kershaw, Mt. Ephraim, N. J. Certified check, 5 per cent. Owners taking bid due March 21st, 8 P. M., approximately 51,000 feet 4-inch, 6-inch, 8-inch, 10-inch, 12-inch C. I. pipe, fittings, valves and hydrants.

Paving of Approximately 51,000 Feet Water Main, Borough of Mt. Ephraim, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Mt. Ephraim, D. D. Kershaw, Mt. Ephraim, N. J. Certified check, 10 per cent. Deposit, \$20, refund \$15. Bond. Owners taking bids due March 21st, at 8 P. M.

School, Bell Mawr, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, School Board, F. L. Dyer, Bell Mawr, N. J. Low bidders: Charles S. Moses, Edgewater Park, N. J., \$21,475; F. C. Selacum Co., Westmont, N. J., \$21,800. Plumbing, Harry Knecht, West Collingswood, N. J., \$924. Electric, Merit Elec. Co., 630 Race street, Philadelphia, \$475. Heating and ventilating, S. W. Peters, Woodbury, N. J., \$2,720.

School (alts. and add.), Moorestown, N. J. Architects, Ritter & Shay, Packard Bldg., Phila. Owner, Board of Education, Moorestown, N. J., J. W. Powell, Moorestown. Brick, reinforced concrete, steel, 2 stories and basement, 73x41 (plumbing, heating, electric separate), composition room, maple and cement floors, metal lath, hollow tile, roof ventilators, dampproofing, bond, kalamein doors, ornamental iron work. Certified check or bid bond, full amount. Deposit \$15, refund \$12. Owner taking bids at Moorestown High School 8 P. M. March 31st.

New Jersey Contracts Awarded

Store Building, Pleasantville, N. J. Architect, private plans. Owner, F. W. Woolworth Co., Wilkes-Barre, Pa. Brick, steel, granite, 1 story and basement, 125x30 feet, slag roof, maple and oak floors, steamheat, electric light, metal lath and ceiling, area gratings. Contract awarded Curtis Grindrod Co., 10 S. 18th St., Phila.

Residences (8), 2—483-85 N. 35th St.; 3—525-27-29 N. 32nd St.; and 3—3292-94-96 Rowe St., Camden, N. J., \$32,000. Architect, private plans. Owner, Edel Evantash, 1427 Ormand St., Camden, N. J. Block and stucco, 2 stories, (2) 16x52 feet, (3) 15x52 feet, (3) 15x45 16x48 feet, slag roof, hot water heat, electric work. Contract awarded to Henry H. Wilson, 800 Hunter St., Gloucester, N. J.

Residence, 3259 Mitchell St., Camden, N. J., \$4,350. Architect, private plans. Owner, Wm. story, 25x35 feet, rubberoid shingle roof, McKormick, Camden, N. J. Frame, 1½ warm air heat, electric light. Contract awarded to E. Christopherson, 603 N. 32nd St., Camden, N. J.

Garages (2) and (add.), 700 Florence St., Camden, N. J., \$2,400. Architect, private plans. Owner, O. Lozor, on premises. Block addition, 2 stories, 16x14 feet, slag roof, garages, 1 story, 10x16 feet. Contract awarded to B. P. Barracliff, Oaklyn, N. J.

Theatre and Stores (2), Westmont, N. J. Architect, private plans. Owners, Handle-Rovner Co., care of builder. Brick, steel, concrete, 80x165 feet, seating capacity 1,500, provision for balcony seating 1,000, steam heat, electric light, oil burning, slag roof, concrete floors, ventilating system, interior decorating, organ plumbing, fire doors, tile and marble work. Contract awarded William Wriford, Camden, N. J., who is taking sub-bids due on the site as soon as possible. All bids must be marked for Mr. Goldstein, in charge on site.

Theatre (add.), Millville, N. J. Architect, private plans. Owners, Le Voy Theatre, on premises. Brick, 1 story, seating capacity now 800, increasing to 2,000, steam heat, electric light, oil burning, tile and marble work, slag roof, concrete floors, ventilating system, interior decoration, organ, plumbing. Contract awarded William Wriford, Camden, N. J., who is taking sub-bids due as soon as possible on site of job.

Stores and Offices, 44-46 West State street, Trenton, N. J. Architect, L. S. Baplan, Fitzcharles Building, Trenton, N. J. Owner, G. Perlman, care of architect. Limestone, steel, reinforced concrete, 2 stories, 35x200 feet, slag roof, marble and maple floors, roof ventilators, ornamental iron, iron stairs, bronze, fire doors, steel sash, tile work, vapor heat, electric work. Contract awarded to Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Church, Southeast Corner Thurman and Norris streets, Camden, N. J., \$14,000. Architect, George C. Baum, 1511 Arch street, Philadelphia. Owners, St. John the Baptist Lutheran Church, Camden, N. J. Brick, block, 1 story, 30x50 feet, asphalt shingle roof, steam

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Steel **FLAG POLES** Wood
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.
5th and Market Streets, Camden, N. J.
BELL PHONE, CAMDEN 3210
KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

heat, electric light. Contract awarded to Victor Bezahler, 1027 Atlantic avenue, Camden, N. J.

Residence, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, K. D. Dresdner, care of architects. Hollow tile, stucco, 2½ stories, 20x70 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded John A. Maher, Trenton, N. J.

Store Front and Alterations and Additions, 502-04 South Third street, Camden, N. J. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Carmine Codesco, Camden, N. J. Brick, 2 stories, 15x36 feet, 14x36 feet, slag roof, general alterations, new store front. Contract awarded Frank Valeriani, 259 Spruce street, Camden, N. J.

Residence, 1228 Liberty street, Camden, N. J., \$3,500. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Ignacz Szalagiewicz, Camden, N. J. Brick, 2 stories, 13 feet 6 inches x 45 feet, slag roof, hot water heat, electric work. Contract awarded Chester Bradzywski, 1204 Morton street, Camden, N. J.

Garages (11), rear 413 North Second street, Camden, N. J., \$3,300. Architect, private plans. Owner, A. O. Frome, 413 North Second street, Camden, N. J. Block, 1 story, 8 feet 8 inches x 18 feet, slag roof, cement floors. Contract awarded George C. Prince, 212 North Thirty-eighth street, Camden, N. J.

Residence, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owner, Frank Gorson, care of architects. Brick, 2½ stories, 27x43 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to J. Burken, Trenton, N. J.

Store Front and Garage (add.), 420 Kaighn avenue, Camden, N. J., \$4,500. Architect, private plans. Owner, Jacob Siris, 420 Kaighn avenue, Camden, N. J. Block, 2 stories, 2 stories add., 15 feet 6 inches x 36 feet, garage, 1 story, 20x26 feet, slag roof, cement floors, electric light. Contract awarded to H. W. Cass, 128 Weikel avenue, Merchantville, N. J.

Road Work, New Jersey, \$1,139,337. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Delaware River Bridge approaches, Sec. 4a, Route 6, Section 17. Contract awarded to S. J. Groves & Sons, 114 Marlton pike, Camden, N. J.

AVERAGE CITIZEN BREATHES FIVE TIMES WEIGHT IN SOOT

Air Conditioning of Buildings Vital to Health in Reducing Menace of Smoke Nuisance

The average American breathes more than five times his own weight in soot and dirt every twelve months.

That's the conclusion of Claude A. Campbell, Toledo banker, who for years has been nationally identified with organized efforts to combat the smoke nuisance in American cities. More than six per cent of the air the average citizen in the average American city breathes is loaded with the soot of coal, Mr. Campbell pointed out, while the national dumping of soot and dirt from smoke reaches 70,000,000 tons every year.

Mr. Campbell was formerly president

of the Ohio Association of Building Owners and president of the Toledo Association of Building Owners and Managers. He is an officer of the National Association.

"Aside from the tremendous economic loss caused by the promiscuous damaging of property, the smoke nuisance is taking a huge toll of American life," Mr. Campbell declared. "Many Americans are literally breathing themselves to death because of the pollution of the air of American cities by smoke and other sources. The fact that in Toledo, which is typical of the average American city, every citizen is allotted on a per capita basis, 2 3-5 pounds of soot per day, is significant, in view of the fact that air conditioning tests conducted by federal agencies show that the average person breathes 43 1-5 pounds of air per day.

"Reducing the amount of air pollution by smoke is not only a question of striking at its causes by forcing the use of improved methods, but becomes an issue of scientifically treating air in homes, offices, factories, schools and public buildings for the protection of the public health. Control of temperature and humidity is important, but cleanliness of the air and constantly changing it is as vital. Nine million office workers are bending over desks and sixteen million industrial workers are sweating in factories that lack the clean air and proper ventilation so essential to health and efficiency. Clean, wholesome air, vitalizes the body, but its opposite cuts efficiency down as much as 50 per cent, scientific tests have shown."

Mr. Campbell's investigations revealed that coal on an average is only 60 per cent efficient. Between 10 and 20 per cent goes up the chimney in soot and a part of the balance drops into the pit as ash. He thus figures, on average consumption, that more than seven carloads of soot are dumped every day on the average city of about 300,000 population.

"The smoke nuisance and the provision of treated, conditioned air within buildings have many ramifications. The percentage of murders and other crimes are hidden in notoriously smoky cities. It brings bad morals. Physicians of the public health service have found that the denser the smoke content of the air the higher is the pneumonia rate. Smoke and air conditions have a direct bearing on pneumonia, which is rampant this time of the year. Authorities estimate that the loss by reason of smoke and soot to Cleveland is \$6,000,000 per year; Cincinnati, \$8,000,000; Pittsburgh, \$10,000,000 per year; Chicago, \$50,000,000 and the United States in excess of \$500,000,000. Smoke and soot costs large department stores from \$20,000 to \$50,000 per year; hospitals from \$5,000 to \$20,000; hotels \$8,000 to \$25,000; office buildings from \$10,000 to \$30,000. These figures were compiled by three universities.

"Mr. Campbell directed attention to an investigation and report just completed by the health commissioner of Baltimore which shows that 1,530 tons of matter settles out of the air per square mile of surface in that city during a year while yearly precipitation of soot per square mile in other cities are as follows: London, 426 tons; suburb of London, 58 tons; Leeds, England, 529 tons in the industrial section and 26 tons in the residential section; Pittsburgh from 595 tons to 1,950 tons; St. Louis, 600 tons; Cincinnati, 500, and Cleveland, 700. This health commissioner pointed out that besides the bad effect on health the heavy pollution of the air costs each householder from \$12 to \$17 a year for extra cleaning, laundry wear and deterioration of materials.

"The amount of soot and dirt consumed by the average person, however, depends considerably on the amount of time he spends inside and the manner in which the air in his office or home is conditioned, Mr. Campbell pointed out. The average American spends perhaps two-thirds of his time indoors either working or sleeping. The soot he breathes, the percentage of his daily allotment of 2 3-5 pounds that he actually takes into his system, depends considerably on the quality of the ventilation he lives in.

"We have no quarrel with coal," Mr. Campbell said. "Coal is one of the basic necessities. We are concerned, however, with the way in which coal is wasted, the pollution of the air of our cities and the remedy. Boilers can be made more efficient, smoke consumers can be installed without much extra expense. Smoke is waste. More of the potential fuel in smoke can be consumed. Almost every city has its anti-smoke ordinances. They should be enforced. The smoke nuisance can be controlled. We have the right to demand clean air."

AS IT IS DONE IN CHINA

Building Contractors in Wusih.—There are about a thousand building contractors and firms of contractors and masons in the district of Wusih. They are divided into two classes, "Large Contractor" and "Small Contractor." The former is a main contractor and the latter is a sub-contractor in building construction work. On June 16, the festival day of Lupan, the god of the craft. Wusih contractors representing the two classes held a meeting to pass the following new regulations:

(1) Wages paid by the owner of the contracted buildings to carpenters and masons will be \$0.55 per day, \$0.05 to the building contractor as his business expenses, and \$0.12 to the workers for noonday meals and the remaining \$0.38 to the laborers for wages per day. The wages for occasional work will be \$0.60 per day.

(2) Working hours of carpenters and masons will be: From Arbor Day to the 9th day of the 9th Moon from 9 A. M. to 6 P. M. From the 9th Day of the 9th Moon to Arbor Day from 9 A. M. to 5.30 P. M.

(3) Supper will be supplied by the contractors. But after 8 P. M., carpenters and masons must provide their own evening meal.

(4) Costs for constructing buildings and for interior decoration work, etc., must be estimated on a fair basis. No contractor is allowed to contract for excessively low costs in order to obtain the work. Too keen competition should be avoided because it is useless to obtain business which the contractor cannot complete.

(5) Besides the cost of material and labor, owners of contracted buildings are required to pay extra charges for plans, measurements, transportation of materials, rope, etc. The additional charge will be \$0.05 per \$1, calculated according to the total cost of the buildings contracted for.

(6) Owners may have a free opportunity in comparing costs submitted by any contractor. If the contracted cost by the first contractor is the same as that submitted by other contractors, the first contractor shall obtain the business. If any contractor gives a lower estimate of the cost than the first contractor, and when he actually gets the contract, that contractor is obliged to pay to the first contractor such charges incurred in preparing the plans and in making out the estimates, etc. The charges will be calculated according to the total cost contracted for, at the rate of \$0.005 per \$1.

(7) Any contract supplied by the contractors must be guaranteed by the shop of the Contractors' Guild. If the contractor fails to complete the work, the Guild will be responsible for making good the contract without extra payment from the owner.

(8) Contractors are obliged to pay to the Guild as contribution \$0.03 per \$1 when new contracts for \$1,000 or above are obtained.

(9) When a contract has been signed, no other contractor is allowed to try to obtain this business.

(10) If, owing to certain special causes, work is suspended before its actual completion, no other contractor is permitted to continue on the work if payment by the owner for the part completed has not yet been settled.

(11) No laborer is allowed to be employed by other contractors when his work with his present employers is not completed.

(12) No employee of the contractor is allowed to obtain business supposed to be the contractor's.

(13) The establishment of new firms of

carpenters and masons must be reported to the Guild. New shops are required to pay an entrance fee of \$10 to the Guild.

(14) Contributions to the Guild from shops in towns and villages outside the city should be sent to the Guild direct and an official receipt obtained.

(15) Five committeemen should be elected among the members every year to look after the public fund belonging to the Guild.

(16) Sick carpenters or masons will be looked after by the Guild, provided the fund is sufficient for the purpose.

(17) A fund will be raised by the members to erect a Guild building.

(18) The above regulations are to be strictly obeyed by the trade. Fines will be decided by the majority of the members if any member disobeys any rule.

REMOVAL OF STAINS FROM MARBLE*

Various kinds of accidental stains may be encountered in marble in its different uses and generally each particular type of stain requires a special treatment. It is not always possible to determine what the staining matter is and in such cases the treatment has to be largely experimental. A great variety of chemicals may be applied to marble without appreciable injury, but acids or those chemical solutions which develop an acid condition should usually be avoided or used judiciously. However, the serpentines, commonly called verds antique marbles, are of such composition that they are not appreciably affected by acids and hence, this class permits a wider variety of treatments.

Usually stains cannot be readily removed by merely applying the proper chemical to the surface or by scrubbing the stained part. This is due to the fact that stains penetrate to some degree and cannot be reached by the mop. In general it is necessary to resort to a poultice or bandage. By a poultice is meant a chemical mixed with a fine inert powder and water, or some other liquid, to a pasty or mortar consistency. This is applied to the stained part of the marble with a brush or trowel to form a layer of considerable thickness. The bandage treatment consists of soaking a layer of cotton or several thicknesses of cloth in a chemical solution and pasting this over the stain. In some cases the poultice is preferable and in others the bandage is better. Both serve to hold the chemicals in place for several hours without drying out. This prolongs the action of the solvent and as the solvent evaporates the dissolved matter is drawn out into the poultice or bandage. Some stains can be removed with one application of the poultice or bandage while others require several repetitions. In many cases of badly neglected marble which have become stained almost beyond recognition it is surprising how well they can be cleared up and brought back to the original appearance. Methods of treating various stains will be discussed separately.

*Department of Commerce, Bureau of Standards, Washington, D. C.

tice or bandage while others require several repetitions. In many cases of badly neglected marble which have become stained almost beyond recognition it is surprising how well they can be cleared up and brought back to the original appearance. Methods of treating various stains will be discussed separately.

Iron Stains

This is a common type of stain on marble and can usually be recognized by its resemblance to iron rust or by its position with respect to adjoining iron work. Two methods have been found which are effective in removing this type of stain, one of which is slow and has no injurious effects and the other is fairly rapid but has a slight etching effect on the marble. The first of these is as follows:

Formula No. 1

Dissolve 1 part of Rochelle salt or sodium citrate in 6 parts of water. Add to this an equal volume of glycerin and mix thoroughly. Stir into this enough whiting or marble dust to make a paste just stiff enough to adhere in a thick coating to the marble. Apply this to the stained marble with a trowel or putty knife. This will remain tacky for a few days, but when it becomes dry it should be removed and replaced by a new layer. Usually this process will have to be repeated several times to remove the stain. This is a perfectly safe treatment and in some cases it may be found preferable to the more rapid treatment.

Formula No. 2

Materials required: Sodium citrate, sodium hydro-sulphite ($\text{Na}^2\text{S}^2\text{O}^4$) and whiting. Sodium citrate can be obtained at any chemical supply house, whiting from a paint store, but the hydro-sulphite may have to be ordered from one of the following firms:

J. T. Baker Chemical Co., Phillipsburg, N. J., or from the following under the trade names indicated:

"Burmol"—R. I. Street Co., 28 N. Clinton St., Chicago, Ill.

"Sulphogen"—Riverside Mfg. Co., Arcade Bldg., St. Louis, Mo. Dissolve 1 part of sodium citrate in 6 parts of water and apply this to the stained marble or better saturate a white cloth in the solution and paste it over the stain until ready to apply the hydro-sulphite. The latter consists of small gray crystals a little coarser than table salt. If the stained marble is in horizontal position sprinkle a thin layer of the hydro-sulphite crystals over the stain, moisten with a few drops of water and cover with a thick paste made of whiting and water. If the stain is on a vertical face of marble the whiting putty can be applied first a little below the stain and hollowed out slightly to hold the hydro-sulphite powder. Then work the putty and the hydro-sulphite up until the stain is covered. Leave this on the

stain for about an hour and remove. If the stain is not entirely removed repeat the operation. Unless the stain is deep, one treatment will usually remove it. This treatment is apt to dim the polish somewhat due to a slight etching effect. However, it is not a difficult matter to repolish the treated portion with a piece of chamois and some putty powder which can be obtained from a marble setter. Moisten the chamois, dip it into the dry putty powder and rub the marble vigorously until the polish is obtained.

Tobacco Stains

Tobacco stains may produce an unsightly appearance on marble but their removal is not difficult. If any of the grit scrubbing powders, commonly used on marble or tile floors are at hand such will usually be found satisfactory for application in the form of a poultice. Stir the powder into hot water until a mortar consistency is obtained. Mix this thoroughly for several minutes, then apply it to the stained marble in a layer $\frac{1}{2}$ -inch or more in thickness. Leave this on until dry (24 hours at least) and remove. Repeat the treatment if necessary.

If the scrubbing detergents are not at hand the following formula may be used: Shave about 1 cubic inch of soap into 1 quart of hot water and stir until dissolved. In another vessel dissolve 1 large tablespoonful of soda ash or 2 of washing soda (sal soda) in 1 pint of water. Add this to the soap solution and mix the two thoroughly. Scrub the stained marble with some of this mixture on a soft cloth for two or three minutes to remove the surface stain and soak the marble. A poultice is then made with whiting or powdered talc 4 parts, corn starch 1 part and enough of the soap solution to form a thick paste. Apply this to the stain in a layer $\frac{1}{2}$ -inch thick and leave on 24 hours. Repeat if necessary.

Ink Stains

Ordinary writing ink usually consists of gallotannate of iron, a blue dye, a mineral acid, phenol and a gum or glycerin. Such an ink etches the surface due to the acid content, the dye penetrates, some of the gallotannate penetrates but is most precipitated at the surface. The stain, especially if an old one will require one treatment to remove the dye and another to remove the iron. The first may be treated as follows. Make a saturated solution of sodium perborate in water. Mix this with whiting to form a thick paste. Apply it to the stain in a thick layer and leave it until dry. If a brown stain remains it should be treated with Formula No. 1 or No. 2 for iron rust. Sodium perborate can be obtained from any druggist.

Many of the red, green, violet and other bright color inks are water solutions of synthetic dyes. Such inks contain no

acids and do not etch marble. Stains made by such can usually be removed with the sodium perborate treatment given above. Small stains of this type of ink can often be removed with ammonia water. This may be used by soaking a piece of cotton in the ammonia water and laying it over the stain for a few hours. Javelle water may be effectively used on such ink stains and in some ways it is preferable. This can be applied like the ammonia water or mixed with whiting and applied as a poultice.

A mixture of 1 part of chlorinated lime and 1 part whiting mixed to a stiff paste with water may also be used as a poulticing material for this type of ink stains. Chlorinated lime can usually be obtained from any drug store, but Javelle water on account of its unstable nature, is not always easy to obtain.

Some blue inks contain Prussian blue which is a ferrocyanide. Such colors cannot be removed by the perborate treatment, Javelle water or chlorinated lime paste. Ammonia water or a soap solution will remove this color.

India ink consists of a finely divided carbon held in suspension in a liquid by gums, shellac, etc. The carbon does not penetrate marble, but some of the minute particles may lodge in the uneven parts of the surface and be very difficult to remove. Carbon is entirely insoluble so chemical treatments are of no avail. If a vigorous scrubbing with soap does not remove all of the carbon from the surface it will be necessary to use a mild grit and grind away part of the surface. If a rough spot is left by this treatment it may be repolished as described under formula No. 2 for iron stains.

Indelible inks often consist of dyes and the stains from such may be treated as those from bright colored inks referred to above. Some indelible inks contain silver salts which turn black. A stain of this kind may be removed with strong ammonia water, but the action is slow. Saturate a piece of cotton in the ammonia water and place it over the stain for several hours.

It is noted that the fluctuation of construction costs during the past 18 months has been within a comparatively narrow range. A scale which has the 1913 average as its base shows the highest level reached during that period to be 199, the February mark. The lowest point since midsummer of 1925 was 195, reached in October of last year.

The average of wages rose two points during February to reach the mark of 227. The lowest position held by the average of wages during the past three years was 219, the mark being registered in January, 1924.

The average of prices paid for basic building materials rose two points, dur-

ing February, reaching the 181 level, the position held one year before. The figures for February, 1924, and February, 1925, were 192 and 188, respectively.

Construction activities decreased slightly during February, according to statistics compiled by the Associated General Contractors of America. Despite this condition, however, a new February record was set, the figure last month being a trifle above the previous high mark, which was set in February, 1925.

Figures for the first two months of the year show construction operations now to be lagging behind the activities of the first two months of 1926, the year during which all records were broken. The situation was brought about by the decline during January, which the higher February total was unable to offset.

Taking into consideration the season of the year, observers are attaching no particular significance to the January decline of the new February record. It is pointed out that 1924 saw a great January-February volume of construction carried on, and yet the total for 1924 as a year stands below the marks set in each of the two succeeding years.

The index number for the February volume, carried on a scale which has the 1913 average as its base, was 121. This volume is 6 per cent. smaller than the January figure. The volume of the January and February operations was $1\frac{1}{2}$ per cent. smaller than that recorded for the first two months of 1926.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship, it is going to miss by just that much the pulling power it ought to have.

When you stop to consider that the Guide reaches every week and is read by architects, builders, building owners, contractors and sub-bidders in every branch of building construction, you must perceive its unique importance as a medium for advertising with an appeal to that class. Every copy reaches a live prospect.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Rldpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co....Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co....Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co....1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr.,829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co....512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co....2313 Walnut St., Phila.
Selby Battersby & Co.....810 Noble St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co....1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.....3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co....11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Murlin Mfg. Co.5420 Paschall Ave., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LIGHTING FIXTURES

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LIGHT IRON CONSTRUCTION

Murlin Mfg. Co.5420 Paschall Ave., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co.Norris and Richmond Sts., Phila.
Ketcham, Howard.....3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co.....435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co.Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph.....South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co.2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEAM SPECIALTIES

Edwin Elliott Co.560 N. 16th St., Phila.

STELL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co.....1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING

Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co.....Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

The Car Skidded

And then someone discovered that his broken window or smashed fence was his dearest possession and put in a bill of damages to prove it.

And the automobile owner paid—because his insurance didn't cover damage to the property of others.

Your agent can get you automobile policies covering property damage, collision, public liability, fire and theft. How well are you insured?

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps These Cellars Permanently Dry



The houses at Malba Estate are built on "springy" ground, but the cellars of all of them are always dry, because the concrete foundations, walls and floors are permanently waterproofed with "ANTI-HYDRO."

No matter how large or small your job may be, you will find "ANTI-HYDRO" the most satisfactory as well as the most economical concrete waterproofer and hardener you can use. It both hardens and waterproofs in *one operation*.

"ANTI-HYDRO" is a liquid integral compound which mixes easily with the gauging water—any unskilled laborer can do it. Twenty-three years of successful use is your guarantee of satisfaction when you use "ANTI-HYDRO." Try it on your next job for permanence.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO

MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 12
March 23, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

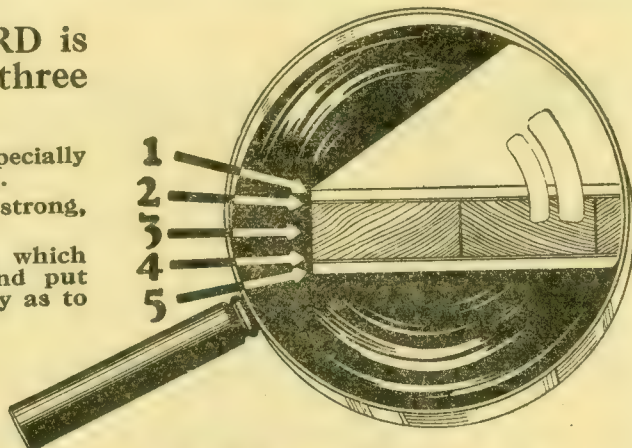
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

When You Require— Electrical Construction

Remember our experience in the last ten years
has covered every phase of the work.

Office Buildings, Industrial Plants, Power House
and Sub-stations, Overhead Line Construction,
Underground Cables, Conduit Systems, Trolley
Roads, etc.

We are glad to give you the benefit of this
experience.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered
right to your job by trucks is a time
and money saving method being adopted
by many contractors and builders.

Why not call us up for particulars ?

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Diaston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN
Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

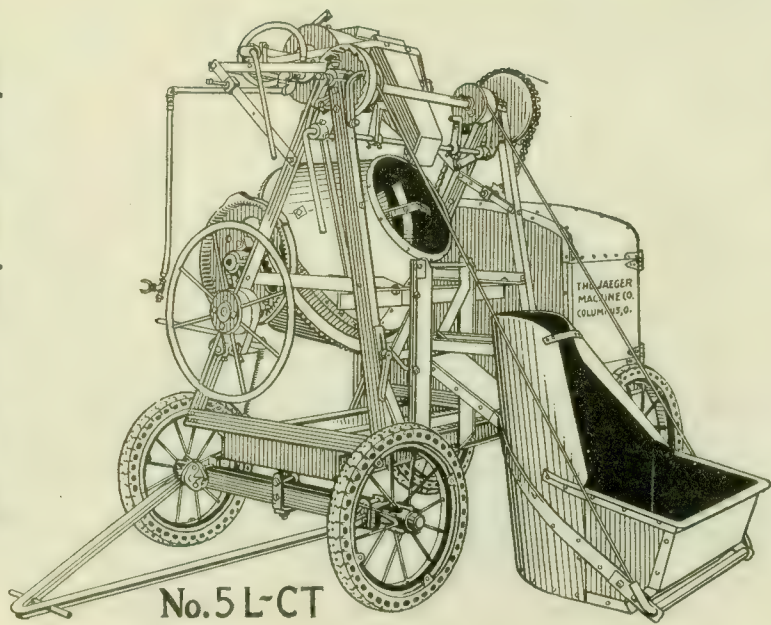
FABRICATED STEEL IRON BARS

RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
S

No. 5 L-CT

S
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

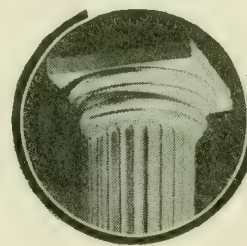
Jefferson 6800

East 7785

EXPANDED METAL LATH

KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**

**UNION METAL COLUMNS**

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH**

**SHEETROCK
WALL BOARD**

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

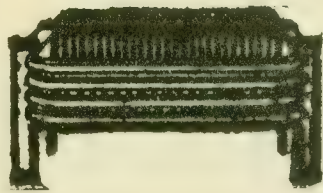
1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Go to **HENRY M. MILLER**

50 North 2nd Street

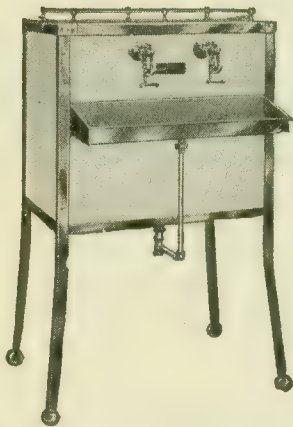


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

Everything

for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 12

PHILADELPHIA
March 23, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



THE SWISS CHALET

By H. A. SIMONS

Perhaps the Swiss chalet would take its place among the residence-styles adapted to the uses of present-day American families if it were not so generally believed that it is a type of design peculiarly adapted to a mountainous country. This belief comes from the fact that the typical chalet, as we are familiar with it, has an extremely flat roof with wide projecting eaves.

But this is only half-true. In the higher parts of Switzerland the roofs are of this type—for a reason that may not be overlooked. There, snowfall is heavy; a nearly-flat roof holds the snow, and this helps to keep the house warm, because a thick blanket of porous snow is an excellent insulator. But in many parts of the country, particularly the valleys, there is more rain than snow; and there we find roofs as steep as those of our own New England Colonial farm-houses.

So an American owner who chose to adapt the Swiss Chalet to the purposes of his home could have a roof of any pitch he pleased, any degree of steepness that seemed to "fit into the landscape." But this must be remembered, too: the high-

pitched gable roof no longer is universally in favor among us.

In our adaption of the Spanish and Italian styles, we frequently build flat roof-decks above short slopes, whether the site is in hilly country or flat. So on this score there really is no reason why the Swiss style should not be used.

In the older chalets, built two centuries ago and still standing, the principle of construction is exactly that of the pioneer American log cabin. Hewn timbers are squared down, and are notched near the ends to fit into each other. They are cut to fit tightly and smoothly together, without the chinking of the cracks which was necessary in the typical log cabin. Partitions are built in the same way, the timbers for them being notched and fitted into the side-walls during the erection of the latter. Over such walls and partitions, simple trusses are erected, wooden purlins are stretched and covered with roof boards, the surface being tiles or shingles or slates.

This principle, employed by the Swiss builders centuries ago, remains the basis of chalet-construction today. But the modern chalet usually is factory-built. Every timber in it is cut to exact dimensions and marked. Then the whole thing

is shipped "knocked down" and is erected on the building-site. Many chalets are fabricated this way for shipment to all parts of the world.

But here we learn another fact about Swiss dwellings which is not generally known. There really are three Switzerlands, one where German is spoken, another dominated by French traditions and culture, the third subject to Italian influence. It is in the German part of the country that the all-wood chalet prevails most extensively and is found at its best. In the Italian regions, especially, masonry chalets covered with stucco are found in large numbers.

And this is another fact that lends the chalet to American adaptation. Though it is, essentially, a wood style, it may be built, perfectly properly, of any type of construction.

Now let us get down to the concrete facts about chalet-construction and design, and, first of all, the plan. The chalet may be of any height, from one story to three. Perhaps the most general type, among the better-class dwellings, consists of a full-depth basement above ground, surmounted by two full stories plus a half-story under the roof. The basement-walls usually are of masonry.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

In many cases the basement is omitted, and the house is built upon stilts. At the top of the stilts, just below the sill, are great wide flat stones; and the steps leading up to the living-quarters are such that they can be raised from the ground when not in use. The explanation of these peculiarities is that they keep out rats and field-mice—on the same principle that dwellings in jungle-countries are set on poles for protection from reptiles.

Whether the house is one or three stories high, each story is divided into two, three or four simple rectangular rooms. This characteristic of the plan is dictated by the form of construction, by which the partitions are fitted into the side-walls. Where, as in the case of a public-house or inn, additional rooms are desired, simple board partitions are added to the main partitions of heavy timbers which divide each floor into halves or quarters. But the standard arrangement may be regarded as a living-room extending across the entire front of the main floor, with the rear half divided into a kitchen and dining-room, and the upper story or half-story quartered into four bedrooms.

Another peculiarity of the Chalet is that the entrance usually is at one of the rear corners. This gives into a little vestibule, which generally opens into the kitchen. The vestibule is a stair-well with narrow stairs leading to the upper stories.

One more fact about the plan: The American householder wishing a built-in garage may extend the wide eaves outward and downward to cover it; for many Swiss homes are built like this to accommodate a wagon-shed or a granary or a wood-shed on one side.

Roofs, as we have seen, may vary greatly in pitch. They may be of virtually any material, also. Red pan-tile, blue-grey slates and natural-colored shingles, all are employed in Switzerland. If a roll-roofing is put onto an American adaption of the chalet style, it should be low-toned and not too variegated in color.

Chimneys play an insignificant part in the design of the Swiss dwelling. Most of these homes are heated by peculiar tile stoves, though of late years sheet-iron stoves and even the old-fashioned cozy "base-burners" have been introduced. Hence, there may be two or three chimneys jutting above the chalet-roof, but they are little and, though they may be capped by odd-shaped hoods, they are rather inconspicuous. Certainly the chimney must not play the dominating part in the design of a chalet that it may

—indeed, must have in the English cottage.

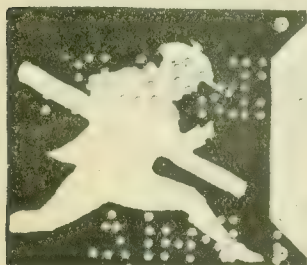
In masonry types of construction, we are likely to find windows of various sizes placed somewhat haphazardly in the walls. This is possible, because masonry materials come in small units and it is just as easy to lay them with a void in one place as in another. In the chalet, however, we are dealing with large timbers, which are much less flexible in design. So we find that doors and windows are rather small, invariably rectangular, tending to be uniform in size and orderly in arrangement.

There usually is a row of small windows in each story, running all or nearly all the way round the house. They are not always spaced exactly the same distance apart, but there is a definite balance and symmetry in their placement. They are glazed with small panes, either leaded or held by wooden muntins. The windows invariably are covered with shutters. Sometimes these are grooved and set into slots, so as to slide back. Again, the shutters are hinged at the top so that, when opened and propped up with little rods, they resemble little awnings. The shutters often are carved and pierced with openings of fantastic shape, and they supply one of the few color-notes on the exterior of the chalet, being of a bright green against the rich dark brown of the oiled wood forming the main part of the elevation.

Attic-windows and the windows in the dormers of the houses that have steep enough roofs to permit of dormers are the only exceptions to the rule that Swiss windows are rectangular in shape. Doors often are beautifully carved, paneled or moulded. Door and window hardware is of remarkable beauty in Switzerland. Strap-hinges, knockers, handles and escutcheons are hammered out of iron by the village smith during the long winters, while the prospective home-owner is carving the wooden ornamentation for his home.

This carved-wood ornament is used chiefly on the balconies. No Swiss chalet but has a balcony—or three or four balconies—on some part of its exterior. It may extend all the way around one story; or there may be a balcony at each story-level on the front elevation only; or a second-story balcony protected by the extremely wide eaves of the roof and, in turn, giving protection to the windows below, may project out from the upper floor, or the eaves may extend far down

(Continued on page 192)



Good Work

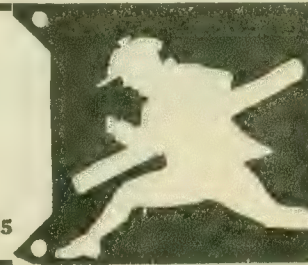
Quick Service

BLUE PRINT SHOP

Bell Phone
Kittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital Buildings, Penn and Chew streets, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Germantown Hospital, on premises. Work contemplated. Plans in progress.

Home (add.), Forty-fourth and Haverford avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Edmond's Home for Crippled Children, care of Mother Benedict, on premises. Four stories. Plans in progress.

Residence, Garage and Work Shop, 212-14 West Roosevelt Boulevard, Philadelphia. Architect, J. Naschold, 5234 North Second street, Philadelphia. Owner, D. Acuada, care of architect. Brick, stone, 2 stories, 2 apartments, hot water heat, electric light, tile work, slag roof, hardwood floors, cement work. Plans in progress.

Theatre, Kensington and Cumberland streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Lessees, Stanley Co., 1916 Race street, Philadelphia. Owners, Mercantile & Store Co., Inc., care of architect. Seating capacity, 2,000. Plans in progress.

Hospital Building, Northeast Corner Eleventh and Walnut streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Jefferson Hospital, Tenth and Walnut streets, Philadelphia. Preliminary plans in progress. Too early for details.

Building, Whitehall and Godfrey avenues, Architects, Simon & Simon, 249 S. Juniper St., Philadelphia. Owner, Paul W. Bounds, 3100 Rosehill street, Philadelphia. Brick, stone, concrete, 1 story, 100x258 feet, slag roof, concrete floors, plumbing, electric light, sheet metal work, Monitor, rolled steel sash. Owner will build and is taking sub-bids.

Store and Office Building, 2209 Chestnut street, Philadelphia. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Brick, steel, limestone, 3 stories and basement, 35x20 feet, slag roof, cement and hardwood floors, vapor heat, Spencer heater, electric light, tile and marble work, metal bulks, floor hardener, plate glass. Plans in progress. Architect will be ready for bids March 25th.

Store and Apartment (alts. and add.), 1708 Walnut street, Philadelphia. Architect, Edward Stopper, 10 South Eighteenth street, Philadelphia. Owner, Jacques Ferber, 1727 Walnut street, Philadelphia. Brick, marble, bronze, stone, hardwood floors, tile work. Plans in progress. Will be ready for bids in three weeks.

Apartment House, Northeast Corner Forty-eighth and Osage avenue, Philadelphia, \$300,000. Architect, J. S. Fuller, 26 South Fifteenth street, Philadelphia. Owner, Louis Elgart, 5312 W. Berks street, Philadelphia. Brick, steel, limestone, 4 stories, 110x110 feet, 4-ply slag roof, hardwood floors, 2 elevators, roof ventilators, metal weather strip, terra cotta, wire work, cast stone, ornamental iron work, fire doors, metal lath, tile and marble work, electric light, oil burning, vapor heat. Owner and builder taking sub-bids on revised plans due in two weeks.

Residence (alts. and add.), 6419 Drexel road, Philadelphia. Architects, De Armond, Ashmead & Bickley, 22 South Fifteenth street, Philadelphia. Owner, Mrs. E. S. Lang, 6419 Drexel road, Philadelphia. Stone porch and bath room addition, 1 story, tin roof, hardwood and tile floors, steam heat, electric light, tile and marble work, mill work, plumbing, painting. Plans in progress. Architect ready for sub-bids.

Residences (20), Robins avenue, Philadelphia. Architect, Max Bernhardt, 127 South Eighteenth street, Philadelphia. Owners, Sidewater & Weyman, 900 Rebyburn Bailey Building, Philadelphia. Brick, 2 stories, 15x46 feet, slag roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work, basement garages. Owners taking sub-bids due at once.

Residences (2), Garage (6-car), 5507-09 North Third street, Philadelphia. Architect, Robert N. Reeve, 5539 North Third street, Philadelphia. Owner, W. H. Waters, 5417 North Fifth street, Philadelphia. Brick, stucco, 2 stories, 17x50 feet, hot water heat (oil burning in one residence), tile, slag and Barrett specification roof, hardwood floors, cement work, plumbing, carpentry and mill work, Finestra windows, stone work, electric light, metal lath, tile work, copper work, ornamental and miscellaneous iron work. Owner taking bids due as soon as possible.

Store Front (alts.), 122 South Thirteenth street, Philadelphia. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Carpentry and mill work, bulk windows, plate glass, painting and glazing. Architect taking bids due as soon as possible.

New College Building, Chestnut Hill, Pa. Architect, Paul A. Monaghan, 1520 Locust street, Philadelphia. Owners, St. Joseph's Academy, Rev. Mother Mary Hames, on premises. Stone, cut stone, brick, steel, 3 stories and basement, 204x53 feet, wing 104x40 feet, wing 96x43 feet, 2 wings 56x112 feet, tile and slag roof, cement, oak, pine and maple floors, hollow tile, metal window guards, integral and membrane waterproofing, ornamental iron work, iron stairs, floor hardener, bond, tin-clad and hollow metal doors, tile, marble and terrazzo work, metal lath, cinder block, reinforced concrete foundations, dumb waiter, bluestone, incinerator, area gratings, brass work (heating, plumbing, electric, drainage, ventilating, elevators, kitchen, pantry, cafeteria equipment, refrigeration all reserved). Architect taking bids due March 24th at noon.

Storage Building, Southwest Corner Gaul and Tioga streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Philadelphia Wool Scouring & Carbonizing Co., C. H. Evoy, Trenton and Somerset streets, Philadelphia. Reinforced concrete, brick, steel, 1 story, 302x70 feet, slag roof, cement floors, waterproofing, electric light, rolled steel sash and skylights, tin-clad doors, floor hardener, bond, ornamental iron work, concrete piles, cast stone, rolling steel shutters, wrought iron pipe, plumbing. Architects taking bids due March 28th.

Residence, Twelfth and Fifty-sixth avenue, Oak Lane, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Russell N. Hanscom, 6604 North Eleventh street, Philadelphia. Stone, 2½ stories and basement, irregular in size, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, plumbing, wrought iron pipe, linoleum floors. Architect taking bids due March 28th, 2 P. M.

Store Front (alts.), 122 South Thirteenth street, Philadelphia. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Carpentry and mill work, bulk windows, plate glass, painting and glazing. Architect taking bids due as soon as possible.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

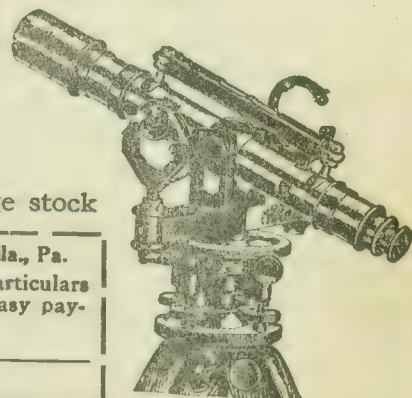
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars about the Weilco Level and your easy payment plan.
Name _____
Address _____



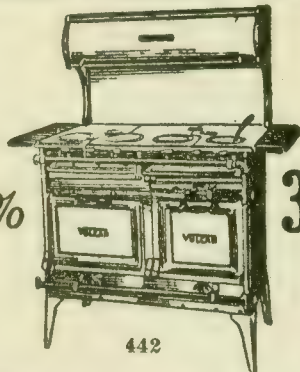
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



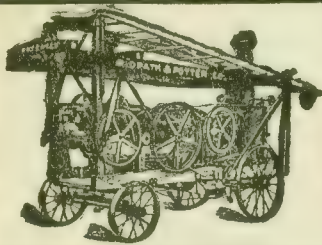
38%

38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.

22nd & Cambria Sts.
Phila. Pa.



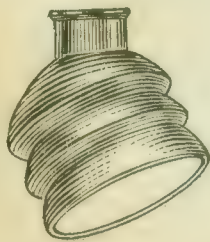
You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.

12317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT**

Show-Window

REFLECTORS

Phila. Daylight Co.

BOURSE BLDG.

LOM brd 9300

Residence and Garage, Oak Lane, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, W. A. Clark, care of architect. 2½ stories and basement, oak and pine floors. Architect taking bids due March 28th.

Building, Seventeenth and Indiana avenue, Philadelphia. Architects, Andrew J. Sauer & Co., Schaff Building, Philadelphia. Agent, Joseph Bernhard, Thirteenth and Chestnut streets, Philadelphia. Lessee, Fiske Rubber Co., care of architect. Architects taking bids due March 24th.

Laundry (alts.), Fifteenth and Columbia avenue, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Neptune Laundry, on premises. General alterations. Architect taking bids due March 26th.

Residences (3), East side Twentieth street, North of Middleton, Philadelphia, \$165,000. Architect, private plans. Owner, Frank J. Peters, 1643 Chew street, Philadelphia. Brick, 2 stories, 15x27 feet, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Residences (16), 1141-71 Anchor street, Philadelphia, \$72,500. Architect, private plans. Owner, George R. Osborne & Son, 5014 Saul street, Philadelphia. Brick, 2 stories, 15x29 feet, 12x10 feet 6 inches, hot water heat, electric light, slag roof, hardwood floors and tile work. Permit issued.

Residences (6), North side Seventy-fifth avenue, West of Ogontz avenue, \$27,600. Architect, private plans. Owner, Raymond R. Rafferty, 4128 North Broad street, Philadelphia. Brick, 2 stories, 15x28 feet, 10x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (6), South side Shelmire street, East of Bingham street, \$26,000. Architect, private plans. Owners, Louis Leitenberger & Sons, 1905 Cottman street, Philadelphia. Brick, 2 stories, 17x44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), 8061-63 Rowland street, Philadelphia, \$8,000 total. Architect, private plans. Owner, Fred J. Blankenhorn, 8049 Rowland street, Philadelphia. Brick, 2 stories, 15x16 feet, 16x23 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), East side Rhawn street, South of Castor road, \$8,000. Architect, private plans. Owner, Frank G. Castor, 8204 Frankford avenue, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, West side Haines street, North of Chew street, Philadelphia, \$18,000. Archi-

tect, Samuel D. Milnor, 4616 Frankford avenue, Philadelphia. Owner, Leo Draham, 5721 Chew street, Philadelphia. Stone, 3 stories, 20x29 feet, slate roof, hardwood and pine floors, electric light, tile work. Permit issued.

Residences (27), North side Bridge street, East of Summerdale avenue, Philadelphia, \$176,500. Architect, private plans. Owners, Forman & Ludwig, 4948 Rising Sun avenue, Philadelphia. Brick, 2 stories, 15x29 feet, 11x13 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (37), Van Kirk, Palmetto, Eleanor, Bingham, Malta and Colgate streets, Philadelphia, \$173,325. Owner, F. B. Brangan, Majestic Hotel, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, electric light. Permit issued.

Residences (11), North side Carey street, East of Twentieth street, Philadelphia, \$44,500. Architect, private plans. Owner, David Epstein, 514 West Wyoming street, Philadelphia. Brick, 2 stories, 14x27 feet, 11x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (8), 529-43 Alcott street, Philadelphia, \$37,600. Architect, private plans. Owner, James W. Hannigan, Sentner and Reach streets, Philadelphia. Brick, 2 stories, 15x28 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (6), Meade street, Highland avenue and Crefeldt street, Philadelphia, \$33,000. Architect, private plans. Owner, Frank G. Justice, 100 West Highland avenue, Philadelphia. Brick, 2 stories, 16x26 feet and 15x28 feet, 11x11 feet, hot water heat, electric light, slag roof, pine floors. Permit issued.

Factory, rear of 925-27 South Second street, Philadelphia, \$12,000. Architect, private plans. Owner, Leon Friedman, 925 South Second street, Philadelphia. Brick, 2 stories, 47 x irregular. Permit issued.

Residences (2), North side Hartell street, West of Walker street, Philadelphia, \$9,600. Architect, private plans. Owner, E. M. Carlston, 4424 Higby street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence and Store (alts.), Southeast Corner Fifteenth and Bainbridge streets, \$2,000. Architect, private plans. Owner, H. Pressman, on premises. General alterations. Permit issued.

Residences (10), East side Glenlock street, North of Robbins avenue, Philadelphia, \$43,000. Architect, private plans. Owners, Tacony Housing Association, 4921 Disston street, Philadelphia. Brick, 2 stories, 15x26 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Residences (6), North side Princeton avenue, West of Marsden street, Philadelphia. Architect, private plans. Owner, Daniel Gereke, 4314 Disston street, Philadelphia. Brick, 2 stories, 16x29 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Moving Picture Theatre (alts.), Northeast Corner Twenty-fifth and Cambria streets, \$4,000. Owner, George Nandascher, 2904 North Twenty-fifth street, Philadelphia. General alterations. Permit issued.

Residences (7), Ditman, Primrose and Fitter streets, Philadelphia, \$88,000. Architect, private plans. Owners, George H. Evans, Inc., 1416 Vine street, Philadelphia. Frame and stucco, 3 stories, various sizes, hardwood and pine floors, electric light, tile work. Permit issued.

Apartment House, 144 West Allen's lane, Philadelphia, \$100,000. Architect, private plans. Owner, Harry D. Rose, 1427 Nedro avenue, Philadelphia. Brick, 2 stories, 46x213 feet 8 inches, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Permit issued.

Apartment House, Northwest Corner Vernon road and Milton street, Philadelphia, \$90,000. Architect, D. Supowitz, 2419 North Fifty-sixth street, Philadelphia. Owner, Michael S. Kirschner, 2419 North Fifty-sixth street, Philadelphia. Brick, 3 stories, 988x175 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Plans filed.

Church (add.), South side Ridge avenue, East of Twenty-fifth street, \$20,000. Architect, private plans. Owners, Morris Brown A. M. E. Church, Twenty-fifth and Ridge avenue, Philadelphia, Rev. J. A. Sterrett, rector, 2217 Montgomery avenue, Philadelphia. Stone and brick add. Permit issued.

Garage (add.), rear 3925 Chestnut street, Philadelphia, \$14,000. Architect, private plans. Owners, A. J. Bair & Son, Nineteenth and Arch streets, Philadelphia. Brick, 2 stories add., 45x43 feet, slag roof, cement floors. Permit issued.

Residences (2), 7348-50 Dorcas street, Philadelphia, \$4,500 each. Architect, private plans. Owner, Henry Hofman, 7342 Dorcas street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Supplies, Philadelphia. Owners, Purchasing Agent, E. J. Lafferty, 329 City Hall. Owners taking bids due March 25th at noon. Certified check, 5 per cent. Ballast stone, torpedo gravel and slag, bituminous materials, fire hose, sand discharge hose, hydrants, gasoline motor driven trucks, power shovel crane, portable gasoline engine driven air compressor and gasoline motor roller, etc.

Repaving, Broad street, Cumberland to Indiana avenue, Philadelphia. Contract No. 162. Owners, City Transit Department, Broad Street Subway, 1211 Chestnut street, Philadelphia. Deposit, \$10, refunded. Certified check, 5 per cent. Owners taking bids due March 29th at noon.

Pennsylvania Railroad Work, Philadelphia. Purchasing Agent, C. E. Walsh, Seventeenth and Filbert streets. Contract No. 29, car-driven trail and engine truck axles. No. 50, piston heads. No. 32, woven wire fencing and fence posts. Bids due March 29th. Contract No. 28, steel bars, shapes and plate. No. 31, guy messenger strand, lime coated and basic

wire, wire rope. No. 33, steel sheets. No. 34, boiler tubes, steel pipe. No. 36, joint bars, track bolts, track spikes, tie plates. Bids due March 30th at noon.

Contract No. 153, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due March 28th at noon. Contact rails, splice bars and bolts. Certified check, 5 per cent. Deposit, \$10, refunded.

Supplies for Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due April 5th. Certified check, 5 per cent. Floor oil, saws, chemicals, steel cabinets, furniture, steel lockers, etc.

Miscellaneous Work, Philadelphia. Owners, Department of Wharves, Docks and Ferries, Pier No. 4, South Wharves, Philadelphia. Low bidders: Substructure, Jackson Street, Pier No. 80, South Wharves, McLean Contg. Co., Chestnut Street Wharf, Philadelphia, \$363,000; Fred Snare Corp, 1524 Chestnut street, Philadelphia, \$366,000. C, Vine Street, Pier No. 19, North Wharves, Haverstick & Borthwick, Scha Bffuiling, Philadelphia, \$275.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Algard, Glenview, Magee and Levick, etc., Roy B. Wenner, 2315 Walnut street, Philadelphia, \$24,496.95. Bartram, Botanic, Dicks, Harley, etc., Joseph Ciccone, 5724 Westminster avenue, Philadelphia, \$11,033.90. Creston, Sischer, Castor, Sanger, Ballinger & Caugherty, Philadelphia, \$4,070.14. Elsimore, Malta, Maywood, Rand, etc., Ballinger & Daugherty, Philadelphia, \$17,149.86. Foulkrod, Garland, Tabor, etc., T. V. Monaghan, 56602 Rising Sun avenue, \$9,123.44. Godfrey, Lawndale, Vankirk, etc., Curtis Brothers, State road, Philadelphia, \$5,421.50. Hermit, Magdalena, Morris, etc., Root Brothers, 625 East Walnut lane, Philadelphia, \$4,195.26. Princeton, Large, Tyson, etc., T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$1,680.25. Tabor, Rhawn to Solly, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$1,259.60. Eighteenth, Godfrey to Medary, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$3,956.50. Balfour, Municipal Const. Co., Second and Wingohocking streets, \$4,490. Colonial, Seventeenth, Chelton, etc., Barber Asphalt Co., 1600 Arch street, Philadelphia, \$13,071.73. D, Loudon to Ruscomb, Barber Asphalt Co., 1600 Arch street, \$17,567.73. Elmwood, Fifty-sixth to Fifty-ninth, Municipal Const. Co., Second and Wingohocking streets, \$36,496.20. Folsom, Leiper, Loudon, Ella, Dyre, Pratt, Rosehill, etc., Barber Asphalt Co., 1600 Arch street, Philadelphia, \$20,086.16. N, Luzerne, Hunting Park avenue, Municipal Const. Co., Sec-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

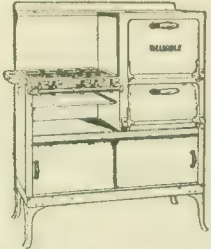
for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

**Face Brick
Paving Brick**

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

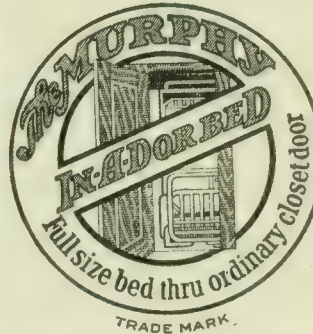
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

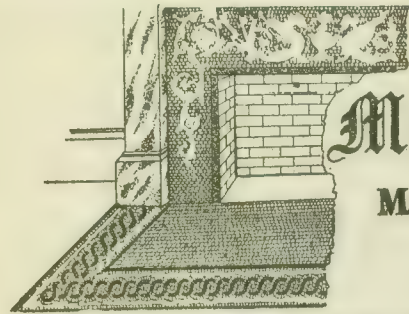
THERE IS ONLY ONE IN-A-D
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonete
produce the "shiny" appearance of paint. Stonetex loo

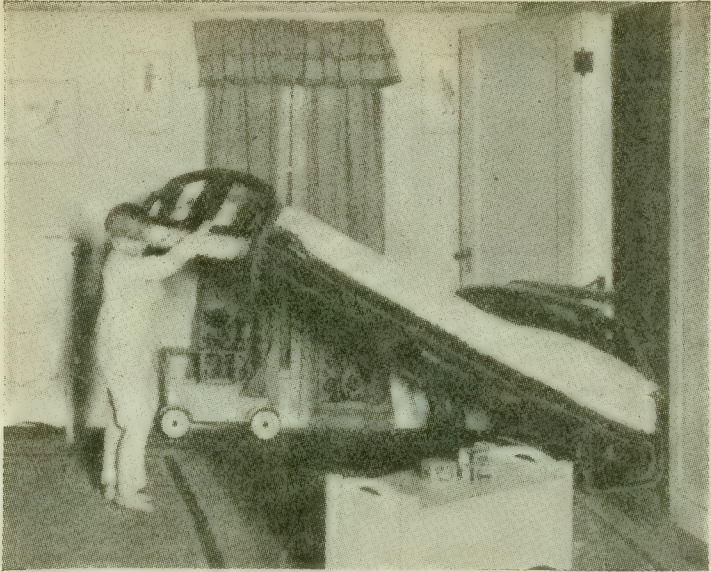
BEDS

comes
rings

call at our
main kitchen
g boards as
Beds

D CO.

ey Building
44th Street
ew York
R BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

cks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
es flat. It does not
ce masonry.



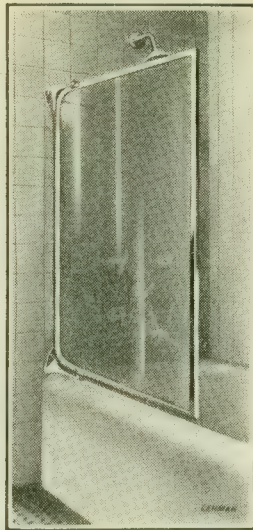
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

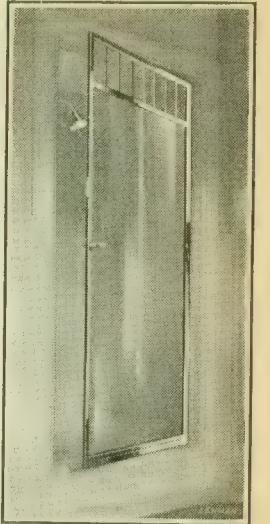
DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

ond and Wingohocking streets, Philadelphia, \$20,252.90. Osage, Bike, Forty-seventh, Frankford, Kensington, Forty-eighth, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$22,665.94. Regent, Sixty-third, Sixty-ninth, Gray's, Chester, etc., Barber Asphalt Co., 1600 Arch street, Philadelphia, \$12,326.79. Sharpnack, Belfield, Sprague, Spencer, Second and Third, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$14,198.40. Venango, Almond, Tulip streets, Municipal Const. Co., Second and Wingohocking streets, Philadelphia, \$26,894.90. Wynnefield, Overbrook, Fifty-sixth street, Municipal Const. Co., Second and Wingohocking streets, Philadelphia, \$21,728.50. Twentieth, Seventy-second, Seventy-first, Twenty-third, etc., Barber Asphalt Co., 1600 Arch street, Philadelphia, \$27,122.95. Tenth, Chelton to Godfrey, Municipal Const.

Co., Second and Wingohocking streets, Philadelphia, \$22,256.50. Twenty-first, Thorps lane, Conlyn, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$8,619.47. City avenue, Haverford, Arch street, F. Canuso & Son, 804 South Twelfth street, Philadelphia, \$46,714.75. Godfrey, Vankirk, Weymouth, etc., Municipal Const. Co., Second and Wingohocking street, Philadelphia, \$13,190. Pechin, Parker to Cinnaminson, W. Leewright, Walnut lane and Mitchell street, Philadelphia, \$3,987.45. Baltimore, Christian, Cedar, Clarion, Tree, Hutchinson, Percy, Locust, Thirty-eighth, etc., Municipal Paving Co., Second and Wingohocking streets, Philadelphia, \$102,792.55. Naudain, Fifteenth to Dead End, Union Paving Co., Thirtieth and Walnut streets, Philadelphia, \$2,129.10. Alter, Dudley, Percy, Reed, Front, etc., F. Canuso & Son, 804 South Twelfth street, Philadelphia, \$8,686.50. Forty-fifth, Chestnut to Walnut streets, Accione Cont. Co., 804 South Twelfth street, Philadelphia, \$5,814.50. Mantua, Parrish, Thirty-eighth, etc., Municipal Const. Co., Second and Wingohocking streets, Philadelphia, \$10,442.05.

Residences (8), Kensington and Frankford Ave., Phila. Owner, F. Kethman, 5720 N. 12th St., Phila. Work contemplated.

Sewer Work, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Owner taking bids due March 30th at noon. Certified check 5%. Branch sewers, main sewers, Crawford Ave., Oxford Ave. to Benner St., Etc., Cobbs Creek Park. Present sewers to creek.

Residences (15), Wissinoming, Phila. Architect, private plans. Owners, Ramsey & Williams, 61st and Washington Ave., Phila. Work contemplated.

Smokeroof Tower, Stairway and Approach, 1101-03 Chestnut St., Phila. Owner, Estate of Stephen Girard, 1101 Chestnut St., Phila. Architect, John T. Windrim, Commonwealth Bldg., Phila. Brick work, cement and concrete work, painting and glazing, electric

work, metal windows, slag roof, carpentry and millwork, plumbing, hardware, heating repairs, structural steel. Architect taking bids due March 20th.

Residences (70), 200-68 and 201-69 Sparks St., Phila., \$247,000. **Residences (31)**, 200-64 Cora St., Phila., \$93,000. Owners, Kuhn & Lowery, 5th & Rockland Sts., Phila. Brick, 2 stories, (70) 15x25, 12x11 feet; (31) 16x25 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (12), 3400-22 Queen St, Phila., \$62,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Bldg., Phila. Brick, 2 stories, 16x27, 11x9 feet, slag roof, hardwood and pine oors, hot water heat, electric light. Permit issued.

Greasing Station, S. W. Cor. 30th and Hunting Park Ave., Phila., \$6,000. Architect, private plans. Owner, Harry Fink, on premises. Brick, 1 story, 22x51 feet. Permit issued.

Store and Storage Building (alts.), 1424 South St., Phila., \$3,000. Architect, private plans. Owner, Louis Ansill, 1024 Locust St., Phila. General alterations. Permit issued.

Apartment Building, 47th and Aspen Sts., Phila. Architect, E. L. Rothschild, Bankers' Trust Building, Phila. Owner, S. L. Green, 916 N. 6th St., Phila. Brick, stone, steel, 4 stories, 44x97 feet, slag roof, hardwood floors, steam heat, oil burning, electric light, tile work, hollow metal skylights, fire tower and doors. Owner taking sub-bids.

Store Building, 260 S. 15th St., Phila. Architect, Max A. Bernhardt, 127 S. 18th St., Phila. Owner, Samuel Holtz, care of architect. Brick, steel, concrete, 6 stories and basement, 34x63 feet, slag roof, cement floors. Architect taking bids due March 25th.

Philosopher's Recitation Building, Woodstock, Md. Architect, Emile G. Perrot, 1211 Arch St., Phila. Owner Woodstock College, Rev. Peter A. Lutz, S. J., Woodstock, Md. Architect taking bids due April 4th.

Department Store, 2221-25 Columbia Ave., Phila. Owner, F. W. Woolworth, Detroit, Mich. Work contemplated.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Manufacturing Building, Aramingo and Ontario streets, Philadelphia. Architect, Lloyd Titus, Brighton Hotel, Atlantic City, N. J. Owners, Imperial Type Metal Co., Wilson Yeager, president, 1226 North Howard street, Philadelphia. Brick, reinforced concrete, cast stone, steel, 1 story, mezzanine and basement, 90x41 feet (plumbing, heating, electric reserved), Barrett specification roof, cement floors, rolled steel sash and skylights, cement floors, dampproofing, bond, ornamental iron work, kalamein doors, metal lath, rolled steel curtains. Contract awarded Roberts & Roller, 1700 Walnut street, Philadelphia.

Apartment House, Forty-second and Ludlow streets, Philadelphia. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, care of architect. Brick, steel, concrete, stone trim, 4 stories and basement, 35x106 feet, 2 apartments, 1 store, hot water heat, oil burning, electric light, built-up roof,

hardwood and mineral floors, electric elevators, kitchen equipment, incinerator, Murphy door beds, metal skylights. Contract awarded Abraham Berman, 635 Tree street, Philadelphia, who is taking sub-bids due as soon as possible.

Bank Building, Broad and Wharton streets, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Southern Title & Trust Co., on premises. Brick, steel, limestone, 3 stories and basement, 20x65 feet, slag roof, cement floors, plumbing, ornamental iron work, tile, marble and terrazzo work, metal lath, electric light. Contract awarded Farrell Roth Const. Co., Twenty-first and Walnut streets, Philadelphia.

Sub-Station Building No. 5, Mt. Vernon and Broad streets, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Reinforced concrete, brick, steel, 1 story, 103x50 feet (plumbing, electric sepa-

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE
LIMESTONE
GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

TRIDENT WATER METERS

For New and Old Properties

PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

rate), slag roof, cement floors, roof ventilators, shoring, ornamental iron work, damp-proofing, bond, rolled steel skylights, marble, bluestone, limestone, hollow metal partitions. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia, Item No. 1, \$154,775; No. 2, \$7,700; No. 3, \$21,980. Low bidder, plumbing, J. Borden & Bros., 637 North Nineteenth street, Philadelphia, \$3,279.

Alterations and Addition, 2138 Market street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, M. Mariano, care of architect. Tile roof, brick work, carpentry, mill work, plastering, metal lath, plate glass, painting and glazing, tile work. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Theatre, Seventh and McClelland streets, Philadelphia. Architects, Hodgins & Hill, 230 South Fifteenth street, Philadelphia. Owner, J. Wolf, on premises. Brick, steel, 1 story and balcony and basement, 60x140 feet, slag roof, cement floors (heating, electric reserved), metal lath, tile work, plumbing, ornamental iron work. Contract awarded S. Yellin & Son, 222 North Eleventh street, Philadelphia, who is taking sub-bids due as soon as possible.

Residence, Coulter street, Germantown, Philadelphia, \$40,000. Architect, Paul M. Hesser, 225 South Sixth street, Philadelphia. Owner, Jacob Knup, Ninth and Buttonwood streets, Philadelphia. Stone, 2½ stories and basement, 32x66 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded E. J. Heinke, 2001 North Twelfth street, Philadelphia.

Alterations to First Floor, 1501 Walnut street, Philadelphia. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, Ladner & Ladner Co., on premises. Carpentry and mill work, plate glass, painting, granite, plumbing, electric light. Contract awarded T. S. Fetter, 1829 Filbert street, Philadelphia.

Residence, 6345 North Sixth street, Philadelphia. Architect, A. C. Bieber, 1520 Locust street, Philadelphia. Owners, Mr. and Mrs. William Ferguson, on premises. Brick, stucco, steel, 2½ stories and basement, asbestos and tin roof, cement floors, plumbing, carpentry and mill work, metal weather strip, electric light, metal lath, tile and marble work, bond, ornamental iron work. Contract awarded E. Clifford Durrell, 1713 North Twenty-fourth street, Philadelphia.

Residences and Garages (2), North side Geneva street, West of Westford avenue, \$25,000. Architect, Charles S. Parker, 5018 Schuyler street, Philadelphia. Owners, Felton & Stout, 5408-16 Westford road, Philadelphia. Brick and stone, 3 stories, 27x56 feet, 23x12 feet, garage, 1 story, 23x23 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

College Building, Forty-third and Kingsessing streets, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Philadelphia College of Pharmacy, W. C. Baisted, 145 North Tenth street, Philadelphia. Contract on plumbing and heating to N. Connolly, 1404 North Eighteenth street, Philadelphia.

Repairs to Elevator Shaft, Second and Walnut streets, Philadelphia. Architect, The Balinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Seaman's Institute, on premises. Contract awarded to Wark & Co., 1600 Walnut street, Philadelphia. Elevators to Otis Elevator Co., Otis Building, Philadelphia.

Mausoleum, Northeast Corner East River Drive, Nicetown lane, Laurel Hill Cemetery. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, Estate of Carl F. Lauber, care of architect. Contract awarded E. A. Carroll, Peneoyd, Pa.

Residences (2), 8047-49 Ferndale street, Philadelphia, \$10,000. Owner, Kate B. Mills, 261 West Wyoming avenue, Philadelphia. Brick, 2 stories, 16x42 feet, hardwood floors, hot water heat. Contract awarded Otto H. Mills, 261 West Wyoming avenue, Philadelphia.

Garages (32), 3537-39 North Camac street, Philadelphia, \$7,000. Owner, Mrs. Jennie B. Abrams, 3540 Old York road, Philadelphia. Brick, 48x16 feet, 32x104 feet. Contract awarded to William F. Chapman, 1805 West Venango street, Philadelphia.

Office and Residence (add. and alts.), 3310-12 I street, Philadelphia, \$5,500. Owners, McKeown & Miller, on premises. Brick, 2 stories add., 25x16 feet, general alterations. Contract awarded to Norman Hoffman, 1924 East Monmouth street, Philadelphia.

Apartment House (alts.), 4617 Pulaski avenue, Philadelphia, \$5,000. Architect, private plans. Owner, John Conlin, 4401 Germantown avenue, Philadelphia. General alterations. Contract awarded to Thomas M. Keeley, 4411 Germantown avenue, Philadelphia.

Laundry, West side Belfield avenue, North of High street, Philadelphia, \$12,000. Architect, private plans. Owner, Paul Bretherick, 6004 Germantown avenue, Philadelphia. Brick, 1 story, 58x112 feet. Contract awarded to John H. Dawson & Son, Folcroft, Pa.

Residence, South side Bartram avenue, West of Eighty-sixth street, Philadelphia, \$4,000. Architect, private plans. Owner, Jacob C. Robinson, 2145 Manton street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, pine awarded to David Tracy, Eighty-third and Eastwick avenue, Philadelphia.

Meat Market (alts.), 906 Noble street, Philadelphia, \$3,000. Architect, private plans. Owners, Swift & Company, on premises. General alterations. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Factory, Margaret street, East of Tackawanna street, Philadelphia, \$12,000. Architect, private plans. Owner, William Leshner Pechin, 4613 North Broad street, Philadelphia. Brick, 1 story, 50x100 feet. Contract awarded to

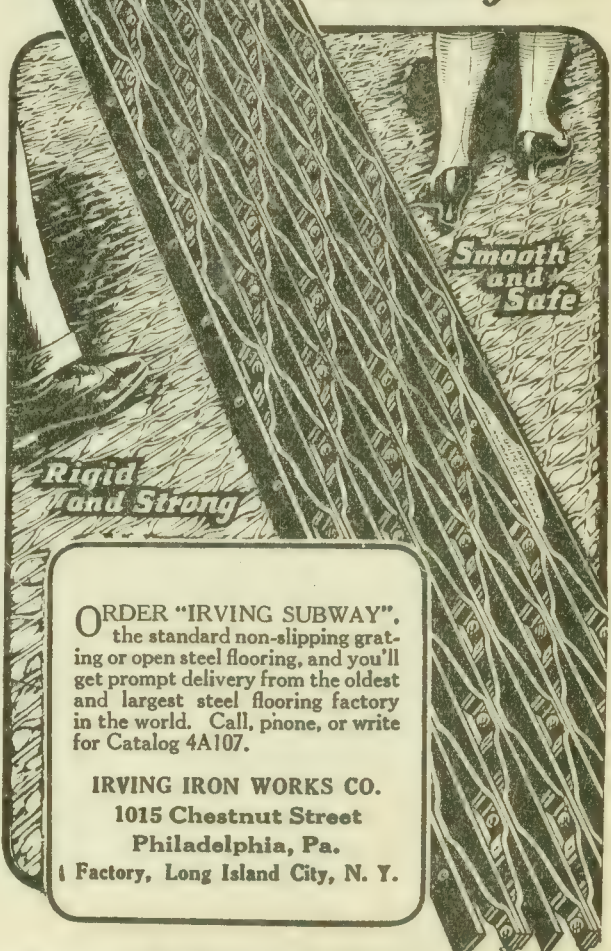
Herman Gertner, 1322 North Twenty-eighth street, Philadelphia.

Residence (alts.), 6345 North Sixth street, Philadelphia, \$11,500. Architect, private plans. Owner, William Ferguson, 1210 Spring Garden street, Philadelphia. General alterations. Contract awarded to E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia.

Warehouse (alts.), 620 South Delaware avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Bayley Warehouse, on premises. General alterations. Contract awarded to Paris Elevator Co., 1019 Callowhill street.

Residence, North side Emerson street, West of Loretta street, Philadelphia, \$4,500. Architect, private plans. Owner, Harry W. Dillon, 2510 North Front street, Philadelphia. Frame,

*Always-When You Need
Gratings —*

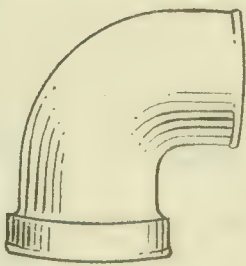


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

**TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING**

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

2 stories, 24x36 feet, hot water heat, electric light. Contract awarded to Henry E. Durst, 1711 Fuller street, Philadelphia.

Residence, East side Wissahickon avenue, South of Mt. Airy avenue, \$40,000. Architect, Andrew C. Borzner, 717 Walnut street, Philadelphia. Owner, J. Mitchell Elliott, Greene and Harvey streets, Philadelphia. Block, 2 stories, 21 feet x irregular and 71 feet x irregular, hardwood and pine floors, tile work, electric light. Contract awarded to M. S. Oberholtzer, 5524 Pulaski avenue, Philadelphia.

Residences (2), North side Brighton street, West of Castor road, Philadelphia, \$10,000 total. Architect, private plans. Owners, Norman Co., 910 North Front street, Philadelphia. Frame, 2 stories, 16x37 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to J. Maurer, 910 North Tenth street, Philadelphia.

Residence, North side Loney street, East of Large street, Philadelphia, \$7,800. Architect, private plans. Owner, Harry Howell, 2805 North Thirteenth street, Philadelphia. Frame, 2 stories, 25x36 feet, hardwood and pine floors, electric light. Contract awarded to Harry Goepel, 5619 North Third street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Contract awarded: Battersby, Englewood, Friendship, Hawthorne, etc., McCarrick Brothers, 3240 Fox street, Philadelphia, \$27,561.80. Cherokee, Ellett and Mt. Pleasant, C. H. Dading, Bellvue Court Building, Philadelphia, \$9,299.75. Kemble, Ogontz, Comly, etc., Morrissey Brothers, 4347 North Seventh street, Philadelphia, \$8,455.12. Third, Fourth, Nedro, Sixty-sixth, Sixty-seventh avenues, etc., S. C. Rotzell, Haines and Limekiln pike, Philadelphia, \$6,871.67. Dicks, Seventy-ninth, Eightieth, Island road, B. Foster Co., Twentieth and Venango streets, Philadelphia, \$30,171.01. Harley, Seventy-ninth, Eastwick, Lyons, etc., B. Foster, Twentieth and Venango streets, Philadelphia, \$30,177.41. Sewer Work contracts awarded—Twentieth, Middleton, Homer streets, N. Cascetti, Real Estate Trust Building, Philadelphia, \$5,926.90. Overbrook avenue, Fifty-seventh to Fifty-eighth, A. Frunzi, 513 High street, Philadelphia, \$6,214. Willow Grove avenue, Winston road to railroad, P. & A. J. Ellis, Fourth and Courtland streets, \$24,770. Ardleigh street,

Moreland to Benzet, Ed. Bennis, Washington lane and Chew street, Philadelphia, \$9,192.50. Bristol, from M to N, P. & A. J. Ellis, Fourth and Courtland streets, Philadelphia, \$18,757. Clearview, Old York road to Sixteenth street, Vatterli & Pontarilli Co., 523 Rising Sun avenue, \$11,609. Front, Grange avenue to Cora, Vallieri & Pontarilli Co., 523 Rising Sun avenue, \$33,429.10.

Apartment House (6), 4732 Kingsessing Ave., Phila. Architect, William L. Charr, Victory Bldg., Phila. Owner, S. Fisher, N. American Bldg., Phila. Brick, steel, 3 stories, slag roof, hardwood and composition floors, vapor heat, electric light, metal lath, tile and marble work, hollow metal skylights. Contract awarded Daniel Josephson, 5405 Walnut St., Phila. Work started.

Building, 46th and Market streets, Phila. Owner, Provident Mutual Life Ins. Co., Phila. Contract on heating awarded W. H. Walters & Son, 1314 N. Carlisle St., Phila., \$100,000.

Garage (add.), 1830-32 N. Front St., Phila., \$7,500. Architect, private plans. Owners, Delaware Ave. Garage Co., 1836 N. Front St., Phila. Brick, 1 story addition, 36x107 feet, slag roof, cement floors. Contract awarded to J. Y. Loux, Inc., 15th and Hunting Park Ave.

Warehouse and Office, N. E. Cor. 18th and Washington Ave., Phila., \$6,000. Architect, private plans. Owner, Mr. L. Mink, on premises. Brick, 2 stories, 40x14, 40x46 feet. Contract awarded to Louis Rosengarten, Otis Bldg., Phila.

Residence and Store, 2322 Duncan St., Phila., \$2,850. Architect, private plans. Owner, A. Laudwitoz, on premises. Brick, 1 story addition, 14x14 feet, general alterations. Contract awarded to K. Zotowski, 2737 E. Indiana Ave., Phila.

Pennsylvania Construction News

Residences (307), Clinton road, near Church lane, Stonehurst Mills, Delaware County, Pa. Architect, private plans. Owners, Gillingham & Hynes, 1601 South Sixtieth street, Philadelphia. Stone, cinder block, 2 stories, various sizes and types, slag roof, hardwood floors, hot water heat, electric light, metal lath, garages in basement. Plans in progress.

Residence, Mervine road, Narberth, Pa. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, R. Menchert, care of architect. Stone, 2½ stories, gas heat, electric light, slag roof, hardwood floors. Plans in progress.

Stores and Apartments, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, name withheld. Brick, 3 stories and basement, 25x90 feet, slag roof, hardwood floors, vapor heat, electric light, tile and marble. Plans in progress.

Residence, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, I. J. Kohler, care of architect. Brick, hollow tile, 2½ stories, 30x45 feet, tile roof, hardwood floors, electric light, tile work. Plans in progress.

Residence, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Charles Eolich, 15 South Fifth street, Allentown, Pa. Stone, stucco, 2½ stories, 35x35 feet, slag roof, hardwood floors. Plans in progress.

Washington School (add.), Salisbury Township, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Salisbury Township School Board, John T. Mory, secretary, Route No. 2, Allentown, Pa. Brick, 2 stories, 35x70 feet, built-up roof, maple floors, safety treads, iron stairs, bond. Revised plans in progress.

Residence, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Ulysses Gregory, Main street, Royersford, Pa. Brick, stone, 2½ stories, 32x26 feet, asbestos shingle roof, oak floors, oil burner, refrigeration, Morgan doors, wood and steel sash, tile work, hot water heat, electric light. Plans in progress.

Bungalow, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, J. Veronon Long, 624 Church street, Royersford, Pa. Brick, stone, 1½ stories, 28x38 feet, asbestos shingle roof, oak and yellow pine floors, Morgan doors, steel and wood sash, tile work, hot water heat, electric light. Plans in progress.

Bridge, Crow Creek, West Fourth street, Bridgeport, Pa. Engineer, J. Cresson, Norristown, Pa. Owners, Montgomery County, Norristown, Pa. Reinforced concrete. Plans in progress. Will be ready for bids in a few weeks.

Dormitory and Class Room Building, Mercersburg, Pa. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Mercersburg Academy, Dr. William Mann Irvine, Mercersburg, Pa. Brick, steel, concrete, 3 stories, 42x130 feet. Plans in progress. Ready for bids in 6 weeks.

Theatre and Stores, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, H. B. Friedman, care of architect. Brick, steel, 2 and 1 stories, 230x35 feet, slag roof, composition and concrete floors, vapor heat, electric light, tile and marble, ventilators. Architect will be ready for bids in three weeks.

Residences and Garages (2), 722-24 Anderson avenue, Drexel Hill, \$6,000 each. Architect, private plans. Owner, Robert Lear, Aldan, Delaware County, Pa. Frame, stucco, 2 stories, 16x30 feet 8 inches, garage, 10x18 feet, hardwood floors, electric light, tile work. Owner will build.

Residences (50), Huntley road, Medina and Shirley road, Upper Darby, Pa., \$4,000 each. Architect, private plans. Owner, William Madway, 4218 Lancaster avenue, Philadelphia. Brick, frame and stucco, 2 stories, 16x39 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work, cement work, basement garages. Owner will build.

Residence and Garage, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, James Bender, 532 Fifth avenue, Bethlehem, Pa. Brick, steel, 2½ stories and 1 story, 41x38 feet, 22x21 feet, slate roof, hardwood and concrete floors, hot water heat, electric light, tile work, electric refrigeration, slate walks. Architects will be ready for bids in a week or ten days.

Residences (4), Elliott Heights, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, P. C. Weil, 222 West Union street, Bethlehem, Pa. Brick, 2 stories, 16x39 feet, slag roof, pine floors, hot air heat, electric light. Owner taking sub-bids.

Home (alts. and add.), Chatham, Chester City, Pa. Architects, Simon Wasserman and Charles R. Peddle, 119 South Fourth street, Philadelphia. Owners, Maccabees' Home and

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

EXPERT BLASTING

J. H. HARDING
10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Relief Association, W. E. Blaney, president, Chatham, Pa. Cement block, stucco, 3 stories and basement, 77x62 feet, slate roof, pine floors, plumbing, metal ceilings, ornamental iron work, iron stairs, metal lath, tile and marble work, bond, concrete footings, wrought iron pipe, bluestone. Owners taking bids due March 25th at noon.

Club House (alts. and add.), Bala, Pa. Architect, Harry F. Weidel, 1700 Walnut street, Philadelphia. Owners, Bala Golf Club, on premises. Steam heat, electric work, metal lath, tile work, rolled steel skylights, iron work, stone work, carpentry and mill work, plastering, painting and glazing, hardware, plumbing. Architect taking bids due March 29th.

Hospital (new roof), Norristown, Pa. Engineer, W. W. Hibbard, Penfield Building, Philadelphia. Owners, Norristown State Hospital, R. L. Chapman, Norristown, Pa. A—slate roof, B—labor and material for new roof. Deposit, \$10, refunded. Owners taking bids due April 4th.

Apartment House, Jenkintown, Pa. Architect, H. H. Kline, Bulletin Building, Philadelphia. Owner, H. E. Benner, Jenkintown, Pa. Brick, 3 stories, 80x100 feet, 3 units, 69 apartments, hardwood and linoleum floors, Craftex, elevators, tile work, electric light, east stone. Architect taking bids due March 24th.

School (add.), School House road and Coleman street, Plymouth Township, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owners, School District of Plymouth Township, R. Hallman, Conshohocken, R. D. No. 2. Stone, brick, 2 stories, 45x60 feet, slag roof, pine floors (electric, plumbing, warm air heat separate), fireproof stairs and floors. Owners taking bids at Plymouth Consolidated School, April 14th, at 8 P. M.

School (add.), Devault, Chester County, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School District of Charlestown Township, Chester County, Pa. Brick, stone, auditorium, gymnasium, class rooms. Deposit, \$10, refunded. Plans completed. Architects ready for bids. Owners taking bids April 6th.

Store and Apartment, Glenside, Pa. Architects, Lippincott & Schaef, 11 South Sixteenth street, Philadelphia. Owners, Weldon Glenside Pharmacy Co., Glenside, Pa. Architects and owners taking bids due as soon as possible.

Memorial Building, Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Masonic Home, James Leslie, Elizabethtown, Pa. Stone, cut stone, steel, 3 stories and basement, 67x38 feet, steam heat, electric light, metal lath, tile and marble work, variegated slate roof, cement and maple floors, waterproofing, floor hardener, ornamental iron work. Architect taking bids due March 31st at noon.

Silk Mill, Perkusie, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Perkusie Industrial Co., care of Mr. Myers, Perkusie, Pa. Brick, 1 story and basement, 65x120 feet, Monitor roof, cement floors, steam heat, steel sash, ventilators. Owners taking bids.

Church and Parsonage, Post road and Main street, Chester, Pa. Architects, Bureau of Architects, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Trainer

Methodist Episcopal Church, Rev. C. W. Felton, Chester, Pa. Stone. Architects selected. Plans will be prepared.

Parochial School, Walnut and Marshall streets, Norristown, Pa. Architect, C. J. Cumiskey, 86 West Sharpnack street, Philadelphia. Owners, Holy Saviour Church, Rev. Lambert Ravi, Norristown, Pa. Brick, steel, 2 stories, 10 class rooms. Plans in progress.

Store and Apartments (2), Broomall, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Ralph Mandes, Clifton Heights, Pa. Brick, 2 stories, 16x60 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, plate glass, flush bulks. Plans completed. Owner ready for sub-bids.

Residence, Kennett Square, Pa. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, D. L. Chapell, Kennett Square, Pa. Stucco, hollow tile, 2½ stories, 40x80 feet, tile roof, hardwood floors, vapor heat, electric light, tile work, relief work. Architect ready for bids.

Rectory (alts. and add.), 250 South Twelfth street, Reading, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Parish of St. Mary's, Rev. Adalbert Malusecki, Reading, Pa. Brick, third floor add., 24x38 feet, slate roof, hardwood, electric light, hot water heat, new boiler, tile work, metal lath. Plans about completed. Ready for bids in a week.

School, Northwest Corner Twelfth and Spruce streets, Reading, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Parish of St. Mary's, Rev. Adalbert Malusecki, Reading, Pa. Brick, limestone, 2 stories and basement, 59x145 feet, provisions for third floor, maple floors, temporary slag roof, maple and mineral floors, lockers, showers, toilet partitions, iron stairs, metal lath, vapo rheat, oil burning, tile work. Basement contains gym, basketball court, library, bowling, pool room, balcony seating capacity 800, 1 story floor, auditorium and balcony seating 1,400. Second floor, 8 class rooms, music room, doctor's office. Plans about completed. Ready for bids in a week.

Water Filtration Plant Extension, Wernersville, Pa. Engineers, Fuller & McClintock, Pennsylvania Building, Philadelphia. Owners, Wernersville State Hospital, Dr. S. S. Hill, Wernersville, Pa. Construct 2 low intake dams, mixing chamber, coagulating basin, 2 filter units, supply mains. Deposit, \$20, refunded. Certified check, \$2,000. Owners taking bids due April 4th, 2 P. M. Plans from Engineer in Philadelphia or 170 Broadway, New York. Plans on file at hospital.

Paving, Eddystone, Pa. Engineers, Damon & Foster, 6932 West Chester pike, Pa. Owners, Borough of Eddystone, W. E. Eckel, secretary, Eddystone, Pa. Owners taking bids due April 4th, 8 P. M. For resurfacing Essington avenue, from Seville avenue to Crum Creek. Certified check, \$800.

Sewers, Norristown, Pa. Engineer, S. Cameron Corson, Norristown, Pa. Owners, Sewer Committee, J. A. Rhoads, chairman, Norristown, Pa. Construct 8-inch vitrified pipe, sanitary sewer, with manholes, flush tank, laterals to curb lines, Y's, T's, branches. Certified check, 5 per cent, made payable to H. P. Hiltner, Borough Treasurer. Owners taking bids due March 30th, 8 P. M.

Temporary School House, Eleventh street, between Wharton and Jeeries streets, Chester Township, Delaware County, Pa. Engineer, W. J. Perkins, Chester Township, Pa. Owners, School District Chester Township, C. M. Aucot, Brookhaven, Chester, R. F. D., Pa. Temporary school house of 2 rooms, plumbing, heating, electric and ventilating. Owners taking bids due March 28th, 8 P. M.

High School, Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Kingston School Board, W. H. Evans, secretary, Kingston, Pa. Fireproof, 2 stories and basement, 276x180 feet, composition roof, composition and maple floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, ornamental iron, fire doors, steel sash and skylights, tile work, metal lath. Lowest bidders: A. J. Cordoni, Forty Fort, Pa., \$641,390; W. B. Richards, Wilkes-Barre, Pa., \$682,914; plumbing, J. T. Evans, Market street, Kingston, Pa., \$26,990; electric, Kearney Brothers, Pittston, Pa., \$20,950.

Schools, Norristown, Pa. Architect, Oliver Randolph Perry, 1524 Sansom St., Phila. Owner, School District of Norristown, C. I. Moore, Norristown, Pa. Low Bidders: Washington School: Hood & Gross, 1535 Chestnut St., Phila., \$38,495—deduct \$225, add \$690, omission, \$2,040. F. R. Heavner, Norristown, Pa., \$39,432.90, deduct \$440, add \$600, omission \$3,824. Elect., J. F. Boyer, Norristown, Pa., \$991, add \$377. Crissman & Quillman, Norristown, Pa., \$779, add \$530. Plumbing, J. F. Boyer, Norristown, Pa., \$1,469. Heating and Ventilating, Crissman & Quillman, Norristown, \$2,477. J. F. Boyer, Norristown, Pa., \$3,307.49.

Roosevelt School, low bidders: F. R. Heavner, Norristown, Pa., \$38,734.78, deduct —, add \$4,125, add \$460. Hood & Gross, 1535 Chestnut St., Phila., \$39,876, deduct \$691.50, add \$4,400, add \$225. Electricity, F. J. Boyer, Norristown, Pa., \$1,095, add \$377. Crissman & Quillman, Norristown, Pa., \$993.60, add \$530. Heating and Ventilating, F. J. Boyer, Norristown, Pa., \$11,209.59, deduct \$1,208, deduct \$5,006.38. Crissman & Quillman, Norristown, Pa., \$12,840, deduct \$2,000, deduct

Steel FLAG POLES Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

GENERAL
INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

SURETY
BONDS

\$4,825. Plumbing, F. J. Boyer, Norristown, Pa., \$2,703, deduct \$597.22, Crissman & Quillman, Norristown, Pa., \$3,934, deduct \$1,960.

Residences (60), Garrett Rd., Upper Darby Pa. Owner, J. R. Seidel, on premises or care of Benham, 5213 Chestnut St., Phila. Brick, 2 stories, electric light, hardwood floors, slag roof, tile work, hot water heat. Owner taking sub-bids due at once.

Stores (3) and Apartments, Windermere and Marshall Road, Upper Darby, Pa. Owner, Alez. Alessi, Upper Darby, Pa. Work contemplated.

Paving, Oakmont, Pa. (Curbs, gutters and sidewalks). Owner, Haverford Twp., H. A. Fritschman, Oakmont, Pa. Surfacing, construction and laying of concrete curbs, gutters, sidewalks, stone curbs. Owner taking bids due March 28th, 7 P. M.

Bridges (2), Delaware County, Pa. Owner, Commissioners of Delaware County, G. T. Wades, Media, Pa. County Engineer, Media, Pa. Bridge No. 54, Sycamore Mills over Ridley Creek, reinforced concrete, arch 60 feet. Certified check \$2,500. Deposit \$5.00, refunded. Bridge No. 189, 2nd Street over Chester Creek, repairs by cement gun, 87 foot span bow string reinforced concrete arch. Certified check \$500, deposit \$5.00, refunded. Owner taking bids due April 5th, 11 A. M.

Pennsylvania Contracts Awarded

Residences (6 twin), Creswell street, Ridley Park, Pa. Architect, private plans. Owner, name withheld. Frame, 2½ stories and basement, 19x28 feet each, shingle roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, ornamental iron work. Contract awarded Pomeroy Const. Co., 309 East Ridley avenue, Ridley Park, Pa., who are taking sub-bids.

Sunday School, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, Trinity First Reformed Church, Rev. Dr. Stein, York, Pa. Brick, steel, 1 story and balcony, 60x90 feet, slag roof, maple floors, hollow tile, ventilators, cast stone, ornamental iron, iron stairs, skylights, tile and marble, metal lath, electric light, vapor heat. Contract awarded to H. L. Hamme, R. D. No. 4, York, Pa.

Gasoline Station and Office, Glendale road and Marshall road, Upper Darby, Pa. Architect, private plans. Owner, A. Leinowitz, 1112 Franklin Trust Building, Philadelphia. Brick, 1 story, 60x60 feet, 15x15 feet, 9 feet high. Contract awarded E. C. Haldeman, 5907 North Twenty-first street, Philadelphia.

Home Economics Building, Cheltenham, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cheltenham Township Board of Education, B. Wunderle, Cheltenham, Pa. Brick, cut stone, steel, 2 stories and basement, 44x30 feet (plumbing heating, electric separate, slag roof, composition, cement floors, metal lath, tile and terrazzo work, metal partitions, fire doors, bond, ornamental iron work, membrane waterproofing, metal partitions, flagstone, bluestone. Contract awarded Tourison & Co., Queen lane and Germantown avenue, Philadelphia, \$42,800.

Paving, Chester, Pa. Owner, City of Chester, Pa. Contract awarded Penna. Paving Co., Chester, Pa.

Theatre Arcade and Stores, Manoa, Pa. Architects, Hodgins & Hill, 230 S. 15th St., Phila. Owner, William Boyd, Manor, Pa. Brick, limestone, cast stone, steel, 2 stories, mezzanine and basement, 93x82 feet, tile built-up roof, asbestos roof, cement, maple and pine and oak floors, hollow tile, plumbing, bluestone, concrete block, plate glass, celo-

tex, copper bulks, ornamental iron work, bond, tile, marble work, metal lath, electric light. Contract awarded Merion Const. Co., Ardmore, Pa.

Masonic Temple, Scranton, Pa. Architect, Raymond Hood, 40 W. 40th St., New York City. Owner, Scottish Rite Masonic Order, Scranton, Pa. Limestone, stone, brick, steel, 6 stories and basement, 125x200 feet, tile roof, cement and maple floors, steam heat, electric light, metal lath, tile and marble work, elevators, cast stone. Contract awarded Central Const. Co., Harrisburg, Pa.

New Jersey Construction News

Mausoleum Chapel, Waterpower, Entrance Fountain, Egg Harbor Twp., Atlantic Observation Tower, Atlantic Co., N. J., \$1,500,000. Architect, Wm. L. Charr, Victory Building, Philadelphia. Owner, Laurel Park Dev., care of architect. Limestone, steel, marble work, 1 story and basement, 100x200 feet, tile and slate roof, marble and slate floors, elevators, safety treads, lighting, tile, marble and terrazzo work, bronze work and doors, iron stairs, ornamental iron work, flagstone, water and dampproofing. Too early for details. Plans in progress.

Church (add.), Burlington and Essex streets, Gloucester, N. J. Owners, The Church of God, Rev. H. B. Huntsinger, Gloucester, N. J. Work contemplated.

Station, Audubon, N. J. Owners, Atlantic City R. R., B. R. Lewis, Atlantic City, N. J. Brick, steel. Plans in progress.

Station, Orston, N. J. Owners, Atlantic City R. R., B. R. Lewis, Atlantic City, N. J. Work contemplated.

Church, North Sixth street, Vineland, N. J. Owners, Church of the Assembly of God, Rev. B. Branchler, Vineland, N. J. Site purchased. Work contemplated.

Parkside School Annex, Camden, N. J., \$70,000. Owners, Board of Education, Meyer Wessel, Chairman of Special Committee, Camden, N. J. Work contemplated.

School House (add.), (Batesmill), Winslow Township, N. J., \$15,000. Owners, School District, Winslow Township, Camden County, A. C. Crowley, N. J. Two-room addition to Batesmill School House No. 5. Work contemplated.

Community Center, Hackensack, N. J. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Jewish Community Center, care of architect. Too early for details. Preliminary plans in progress.

Club House, Trenton, N. J. Architect, H. O. Hunt, Hunt Building, Trenton, N. J. Owners, I. B. P. O. E. of W., care of architect. Brick, stone, 3 stories and basement, 80x60 feet, slag roof, hardwood floors, electric light, tile and marble. Plans in progress.

School, Seaside Heights, N. J., \$45,000. Owners, School Board of Seaside Heights, N. J. Site selected. Work contemplated.

Market House, Absecon Boulevard, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, City of Atlantic City, Louis Kirhne, Commissioner, City Hall, Atlantic City, N. J. Brick, steel, 1 story, 180x50 feet, slag roof, concrete floors, roof ventilators, steel sash, electric light. Plans in progress.

Store (add. and alts.), South Carolina and Atlantic avenues, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Curra Holding Co., care of architect. Brick, 3 stories, 55x100 feet, hardwood floors, hot water heat, tile and marble, electric light, plate glass, copper work, general interior alterations. Architect about ready for bids.

School, Northfield, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Northfield School Board, Mr. Harman, Northfield, N. J. Steel, fireproof, 2 stories and basement, 58x160 feet, built-up roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, iron stairs, skylights, tile and marble (heating, plumbing and electric separate). Owners taking bids due March 24th.

Residence, Brigantine Beach, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owner, Francis Longworth, care of architect. Frame, stucco, 2 stories, 45x38 feet, Spanish tile roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due March 28th.

Residence and Garage, Oak avenue, Moorestown, N. J. Architects, Edwards & Hoffman, 315 South Fifteenth street, Philadelphia. Owner, M. Albert Linton, vice-president, Provident Mutual Life Insurance Company, 401 Chestnut street, Philadelphia. Brick, steel, cut stone, 2½ stories and basement, 48x41 feet, wing 48x24 feet, Vermont slate roof, oak, pine and cement floors, plumbing, hot water heat, electric light, metal lath, tile work, rolled steel sash, fire doors, bond, ornamental iron work, cinder concrete block, cork tile, linotile, area gratings, incinerator, wrought iron pipe. Architects taking bids due March 28th at noon.

Factory Building, Ninth and Liberty streets, Camden, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Congress Cigar Co., Third and Spruce streets, Philadelphia. Reinforced concrete, 3 stories. Architect taking bids due March 25th, at noon.

Department Store, Bridge Boulevard, Memorial and Mt. Ephraim avenues, Camden, N. J. Architects, George C. Nimmons & Co., 122 South Michigan avenue, Chicago, Ill. Owners, Sears-Roebuck Co., L. J. Rosenwald, Roosevelt Boulevard, Philadelphia. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 240x162 feet, wing 68x104 feet, tile roof, concrete, maple and pine floors, hollow tile, safety treads, roof ventilators, integral waterproofing, dampproofing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, steel rolling and hollow metal doors, iron stairs, steel toilet partitions, concrete piles, rubber tile work (plumbing, drainage, heating, ventilating, electric work, elevators, sprinkler system, lighting fixtures, mechanical items reserved). Owners taking bids due March 25th, 10 A. M.

Cottage, Ventnor, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Kandle & Ott, Atlantic City, N. J. Frame, 2½ stories, 20x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owners will build.

Sales and Service Building, White Horse pike and Colt road, Camden, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Max C. Heeter, 604 Federal street, Camden, N. J. Brick, steel, 2 stories, steam heat, electric light, slag roof, reinforced concrete floors, ramp, plate glass. Owner will build and is taking sub-bids.

Residences (10), West Atlantic City, N. J. Architect, A. L. Brooks, Humphreys Building, Atlantic City, N. J. Owner, Benjamin R. Fox, 1102 Atlantic avenue, Atlantic City, N. J. Frame, stucco, 2 stories, 18x27 feet, slag roof, pine floors, electric light. Owner will build.

Parkside School Annex, Camden, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, M. Wessel, Camden, N. J. Architect selected. Plans in progress. Will take bids April 1st.

Residence, Wildwood, N. J. Architect, Christian H. Fries, Frankford and Oxford avenues, Philadelphia, Pa. Owner, name withheld. Concrete block, stucco, 2½ stories, 30x42 feet, asbestos shingle roof, hardwood floors, hot water heat, electric range, refrigeration and laundry equipment. Architect taking bids due March 25th.

Store and Apartment, Northwest Corner Broadway and Stevens avenue, Camden, N. J. Architects, Lackey & Hettle, Camden, N. J. Owners, Sigmund Schoenagle and Ralph D. Baker, Camden, N. J. Architects taking bids due March 28th, before 5 P. M.

Residence, 1183 Bergen avenue, Camden, N. J., \$4,500. Architect, private plans. Owner, Joseph Munger, 1180 Bergen avenue, Camden, N. J. Frame, 2½ stories, 26x40 feet, asbestos roof, hot water heat. Permit issued.

Bridge, Tacony, Philadelphia to Palmyra, N. J. Engineer, Ralph Modjeski, Widener Building, Philadelphia. Owners, Company, care of Tacony-Palmyra Ferry Co., C. A. Wright, Riverton, N. J. Plans completed. Work to start in two weeks after being approved by War Department.

Paving, etc., Woodlyn, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Woodlyn Borough Council, W. Dougherty, Woodlyn, N. J. Owners taking bids due March 30th, 9 P. M. Deposit, \$10, refund \$5. Certified check, \$500. Approximately 2,500 square yards concrete paving, 660 square yards concrete gutters, 1,585 cubic yards excavation, 63 lineal feet radius curbs, 150 lineal feet concrete curbs.

Incinerating Plant, Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Pensauken Township, R. V. Peabody, Pensauken, N. J. Capacity, 35 tons, brick, concrete, steel, 2 stories. Bond. Certified check, 10 per cent. Owners taking bids due March 28th, 8.30 P. M.

Building, State Colony for Feeble Minded, Woodbine, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Low bidders: (1) Building, Pasquale & Schaible, Vineland, N. J., \$49,500; heating, L. M. Danenhirsh, Woodbine, N. J., \$6,312; electric, L. M. Danenhirsh, Woodbine, N. J., \$1,550. (2) Buildings, Pasquale & Schaible, Vineland, N. J., \$96,000; plumbing, W. H. Kentner, Wildwood, N. J., \$8,100; heating, W. H. Kentner, Wildwood, N. J., \$19,269; electric, L. M. Danenhirsh, Woodbine, N. J., \$3,109.

Cottage, New Jersey State Home for Girls, Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Low bidders: (2) Buildings, Carl Poinsett, 37 Maple avenue, Trenton, N. J., \$67,965. (1) Building, General Cont. Co., First National Bank Building, Trenton, N. J., \$42,873. Plumbing, J. T. Evans, Wilkes-Barre, Pa., \$4,754. Heating, J. T. Evans, Wilkes-Barre, Pa., \$3,904.59. Electric, Carr & Schultz, Perry and Stockton streets, Trenton, N. J., \$3,167.

Supplies, Camden, N. J. Purchasing agent, H. H. Pelouze, No. 6 City Hall, Camden, N. J. Manholes, inlets, C. I. pipe and fittings, special mixture, sand, slag, pebbles, stone dust, hauling, cement, asphalt, cinders, oil, etc. Certified check, \$100. Owners taking bids due March 28th, 10 P. M.

Paving, Curbing, etc., Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Township of Pensauken, R. V. Peabody, Clerk, Pensauken, N. J. About 6,800 square yards 8-inch reinforced concrete paving, 32 lineal feet radius curb, 2,100 cubic yards excavation, 300 feet guard fence. Deposit, \$10, refund \$5. Certified

check, 10 per cent. Bond. Owners taking bids due March 28th, at 8 P. M.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 16, Sec. 9, Woods Tavern to Harlingen, Somerset County. Low bidder: Conrad Sebolt, New Brunswick, N. J. Route 20, Sec. 7, Vineland to Malaga, Cumberland and Gloucester Counties. Low bidder: Edward H. Ellis, Chews Landing, Blackwood, N. J., \$203,238.02.

Bridges (3), near Wenonah and Pitman, N. J. Architect, private plans. Owners, Gloucester County Board of Freeholders, Woodbury, N. J. Reinforced concrete. Low bidder: E. T. Henry & Sons, Woodbury, N. J.

Bridge, Edgewater avenue, Westville, N. J. Owners, Gloucester County Board of Freeholders, Woodbury, N. J. Reinforced concrete. Low bidder: J. R. Erickson, Woodbury, N. J., \$10,319.

New Jersey Contracts Awarded

Engineering Building, Princeton, N. J., \$250,000. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Princeton University, Princeton, N. J. Stone, brick, steel, concrete, electric work. Contract awarded Mathews Const. Co., Princeton, N. J.

Chemistry Building, Princeton, N. J., \$1,200,000. Architects, Day & Klauder, Franklin Bank Building, Philadelphia. Owners, Princeton University, Princeton, N. J. Stone, brick, steel, concrete, 3 stories, 200x200 feet, electric light. Contract awarded Mathews Const. Co., Princeton, N. J.

School, Woodlynne, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Woodlynne School Board, A. Cox, secretary, Woodlynne, N. J. Brick, steel, 2 stories, 38x72 feet, slag roof, maple floors, safety treads, roof ventilators, fireproof doors (heating, plumbing and electric separate). Contract awarded to Carl E. Widell, Woodlynne, N. J., \$26,769. Heating and ventilating, F. W. Peters, Woodbury, N. J., \$5,475. Plumbing, F. W. Peters, Woodbury, N. J., \$2,075. Electric, Franks & Sweeney, 1258 Haddon avenue, Camden, N. J., \$890.

School, Bell Mawr, N. J. Architect, John L. Coneys, Drexel Building, Philadelphia. Owners, School Board, F. L. Dyer, Bell Mawr, N. J. Brick, cut stone, steel, 2 stories and basement, 68x26 feet, black slate roof, cement and maple floors, carpentry and mill work, painting and glazing, hardware, metal lath, hollow metal sash, bond, ornamental iron work. Contracts awarded: C. S. Moses, Edgewater Park, N. J., \$21,475; plumbing, Harry Knecht, West Collingswood, N. J., \$924; electric, Merit Elec. Co., 630 Race street, Philadelphia, \$475; heating and ventilating, S. W. Peters, Woodbury, N. J., \$2,720.

Detention Home (add. and alts.), Egg Harbor, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owners, Atlantic County Board of Chosen Freeholders, Atlantic City, N. J. Fireproof, 2 stories and basement, slag roof, rubber, concrete and maple floors, elevators, metal grills, fire escape, lockers, bond. Contract awarded to Emil Weiler, Egg Harbor, N. J.

Apartment, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, A. P. Johnson, 9 South Dudley place, Ventnor, N. J. Brick, steel, 3 stories, 20x100 feet, slag roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to W. L. Wicks, Egg Harbor, N. J.

Residence, Woodbury, N. J. Architects, C. R. Peddle and S. Wasserman, associate, 136

South Fourth street, Philadelphia. Owner, Mr. Goodrich, Woodbury, N. J. Stone, 2½ stories, 30x60 feet, slate roof, hardwood floors, hot water heat, electric light. Contract awarded Heaton & Potter, Woodbury, N. J.

Stores, Moorestown, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Moorestown Trust Co., H. B. Coles, Moorestown, N. J. Brick, aquia sandstone, 1 story and basement, 20x50 feet, slag roof, pine floors, steam heat, electric light, metal lath, tile, metal bulks. Contract awarded Frank Graham, Masonville, N. J.

Storm Sewer Project, Thirty-third and Garden streets, Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Township of Pensauken, R. V. Peabody, Municipal Building, Pensauken, N. J. Approximately 2,220 lineal feet 18-inch by 24-inch T. C. pipe sewer, 24-inch reinforced concrete pipe sewer, 8 inlets, 10 manholes, appurtenant work. Contract awarded Albert Ellis, Moorestown, N. J., \$14,300.

Residence and Store, 1122 Mt. Ephraim avenue, Camden, N. J., \$8,500. Architect, private plans. Owner, Ludwig Zalewski, Camden, N. J. Brick, 2 stories, 20x56 feet, slag roof, hot water heat, electric light. Contract awarded to B. J. Wilinski, 1213 Mt. Ephraim avenue, Camden, N. J.

Building (add. and alts.), 508 Broadway, Camden, N. J., \$10,000. Architect, private plans. Owner, William F. Huff, 317 State street, Camden, N. J. Brick, 3 stories add., 5x40 feet, hot water heat, electric light, general alterations. Contract awarded to Hensgen Bros., Inc., 1140 Mechanics street, Camden, N. J.

Building (alts.), 2946 Westfield avenue, Camden, N. J., \$2,600. Architect, private plans. Owner, Isaac Kresler, on premises. General alterations, bulks, lowering floor, plumbing. Contract awarded to Sol. J. French, 429 Cooper street, Camden, N. J.

Miscellaneous Construction News

Community Center, Jacksonville, Fla. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Jewish Community Center, care of architect. Brick, steel, 2 stories, 92x120 feet, slag roof, hardwood floors, hollow tile, waterproofing and dampproofing, iron stairs, steel joints, tile and marble, metal lath, vapor heat, electric light. Architect will take general and sub-bids in three weeks.

Community Center, Yonkers, N. Y. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owners, Jewish Community Center, care of architect. Brick, steel, 4 stories, 80x100 feet, slag roof, concrete floors, hollow tile, waterproofing and dampproofing, iron stairs, gypsum block, tile and marble, metal lath, vapor heat, electric light. Architect will be ready for bids in six weeks.

Convent, Fourteenth and French streets, Wilmington, Del. Architects, Gleeson & Mulrooney, 250 South Broad street, Philadelphia. Owners, St. Patrick's Roman Catholic Church, Rev. James L. McSweeney, Wilmington. Brick, terra cotta, stone, 3 stories, 40x62 feet, Barrett specification roof, hardwood floors, structural steel, incinerator, plumbing, flush doors, metal lath, tile work, vapor heat, electric light. Owners taking bids due March 28th.

Residences (3), 2708-10-12 West street, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, Dominick Cantera, 1705 Pennsylvania avenue, Wilmington, Del. Brick, 2½ stories, 20x30 feet, oak floors, hot water heat, tile

work, composition roof, slate roof, tin work. Owner will build.

Armory, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, State Armory Commission, W. E. M. Hoopes, secretary, DuPont Building, Wilmington, Del. Architect selected.

Bungalow, Wilmington, Del. Architect, L. C. Tindall, 914 Orange street, Wilmington, Del. Owner, M. Lattice, care of architect. Stone, 1½ stories, 25x30 feet, shingle roof, pine floors, electric light. Plans in progress.

Garage, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Angelo Julian, 412 Walnut street, Wilmington, Del. Brick, 1 story, 32x130 feet, slag roof, concrete floors, electric light, steel sash. Owner taking sub-bids.

Residence, Wilmington, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owner, Mrs. Edith B. Taylor, care of architects. Brick, stone, 2½ stories, 92x60 feet, slate roof, pine, concrete and linoleum floors, hollow tile, electric light, tile and marble, steel sash, flagstone, cut stone. Architects taking bids due March 24th.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Contract 79, Maryland (Elkton) State Road widening, 9.91 miles. Lowest bidder: George & Lynch, Dover, Del., \$77,717.50.

Miscellaneous Contracts Awarded

Parish House, Claymont, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Episcopal Church of the Ascension, Rev. Charles A. Rantz, Claymont, Del. Stone, 2 stories, 30x100 feet, shingle roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to D. M. Fontana, 310 North Adams street, Wilmington, Del.

Parish House, Claymont, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Methodist Episcopal Church, Rev. Hugh B. Kelso, Claymont, Del. Stone, 2½ stories, 40x70 feet, slate roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to N. F. Hadley, 306 King street, Wilmington, Del.

Residence, Bar Harbor, Me. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owner, E. T. Stotesbury, Chestnut Hill, Pa. Frame, 2½ stories and basement, 28x56 feet, wing 26x18 feet, shingle roof, oak and pine floors, tile work, ornamental iron work. Contract awarded E. H. Whitaker, Lawrence & Co., Bar Harbor, Me.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., March 15, 1927. Sealed bids in duplicate will be received until 3 P. M., April 19, 1927, and then publicly opened, for furnishing all labor and materials and performing all work for the construction of the United States Post Office at McKees Rocks, Pa. Drawings and specifications may be obtained from the Custodian of the Site at McKees Rocks, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

(Continued from page 180)

on one side to cover the granary or woodshed and on the other side to give a partial enclosure to a balcony there.

There is an infinite variety to the treatment of the balcony in the Swiss chalet; but the feature is well-nigh universal—and it should prove adaptable to American living-conditions, in the form of a sleeping-porch or a sun-room.

These balconies generally are covered with wood-work so fine as to be called "wooden lace." Many times it consists of long carved boards applied horizontally. Again, it consists of an elaborately carved series of balusters. Still again, the railing is built of flat boards pierced by scroll-work done with a saw. The unlimited ingenuity of the Swiss wood-carvers spends itself in the elaboration of this beautiful work, and it is applied prodigally to the balconies, to the bargeboards on the eaves, and to the corbels, brackets and struts that support the balconies.

So now we have a completed picture of the chalet exterior: rather low it is, though not necessarily squat, with the horizontal line predominating over the vertical, this movement emphasized by the broad eaves and the balconies, low-toned in color except for the bright green shutters and the flower-pots that fill every window, extremely simple construction, given a feeling of rich but unpretentious beauty by the carver's handicraft.

The Swiss are not a rich people. So we must not look for any elaborate interior decoration within their little homes. Here, again, the only means they have of adding beauty to their surroundings is their craft skill; the richness of the interior wood-work even exceeds that of the exterior.

The floors are of hard-wood—in the cases of the well-to-do, finely laid parquetry. These are covered with rather ordinary rugs.

Walls are paneled with oiled or dark-stained wood. The panels consist of rather wide boards, chamfered or beaded along the sides and applied vertically.

Only in the ceilings is color introduced extensively. The roof rafters or floor joists are left exposed, and these sometimes are carved, but more often are just smooth and chamfered and painted with simple but attractive designs in strong colors. Against this simple background are placed pieces of furniture wrought by hand.

Announcement was made recently of the details of the nation-wide architectural competition for the best designs for a residence and garage built principally of wood, with \$3,500 in cash awards offered by C. W. Stimson, prominent Seattle lumberman and the West Coast Lumber Bureau.

This contest is sponsored by and conducted under the auspices of the Washington State Chapter American Institute of Architects and is known as the "West Coast Woods Architectural Competition."

It is open to any architect, architectural firm, designer or draftsman.

J. Lister Holmes, A. I. A., of Seattle, has been selected as professional adviser and architects composing the committee on competitions for the state chapter are: Harlan Thomas, chairman; J. Lister Holmes, vice chairman; William J. Bain; David J. Myers and Robert F. McClelland, all of Seattle, and Nelson J. Morrison, of Tacoma.

The competition will close at 5 P. M. on August 1, 1927, and the first prize design will receive \$2,000 in cash, the second prize \$500 and ten designs receiving favorable mention will be awarded \$100 each.

The program of this competition provides that the subject of the design shall be an attractive all-year-round residence and garage, built principally of wood, the house containing not more than seven principal rooms confined, with the garage, to an immediate site of 12,000 square feet. The garage may either be a part of the house or detached. The plans shall be convenient in arrangement and adapted to general living conditions.

The jury of award will consist of five architects of national repute selected from representative sections of the United States. The program of the competition provides that the jury of award shall give consideration to the following points:

"1. Novelty and originality in the treatment and use of wood native to the Pacific northwest.

"2. Excellence and ingenuity of plans.

"3. Architectural merit of the design and fitness of the application to a frame house.

"4. Practicability of construction.

"5. Fitness of the design as a whole to meet the needs of the problem."

Excellence of drawings also will be given consideration by the jury, but will rate a small percentage in proportion to the other points. The competition will be conducted under the code of the American Institute of Architects. "The special purpose and intent of this Competition," according to the statement of the committee of architects in charge, "is to develop and bring forth the uses, applications, and methods of construction and finishing of the woods of the Pacific Northwest. Douglas Fir, West Coast Hemlock, Sitka Spruce and Western Red Cedar. It is the thought of the Bureau that the methods of use and the beauty in treatment of these woods has as yet been merely touched upon and that applied ingenuity will bring forth new and effective developments, both in using and beautifying these products. It is hoped that the most competent architectural designers will be encouraged to bring their talent to bear in ingenious ways towards most artistic results."

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard.....3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph.....South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. ...20th & Venango Sts., Phila.

Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co. ...2317 Walnut St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belf Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW CLEANING

Liberty House and Window Cleaning Co.,
629 Chestnut St., Phila.

Audubon Wire Cloth Co.Audubon, N. J.

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Insurance Company of North America PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

The Car Skidded

And then someone discovered that his broken window or smashed fence was his dearest possession and put in a bill of damages to prove it.

And the automobile owner paid—because his insurance didn't cover damage to the property of others.

Your agent can get you automobile policies covering property damage, collision, public liability, fire and theft. How well are you insured?

"ANTI-HYDRO" Made the Leaky Walls and Pits in this Post office Waterproof!



The concrete pits and the walls of the pipe tunnels in this post office leaked badly. A cement plaster coat mixed with "ANTI-HYDRO" was applied to the *inside* of the walls and pits. Now they are absolutely and permanently waterproof.

There is not a single concrete waterproofing or hardening problem that cannot be successfully overcome by the use of "ANTI-HYDRO." It is an easy-to-use liquid integral compound that mixes readily with the gauging water without the aid of skilled labor. Results are guaranteed permanent.

Use "ANTI-HYDRO" on your next job. For over 23 years it has been specified by leading architects, engineers and contractors.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 13
March 30, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

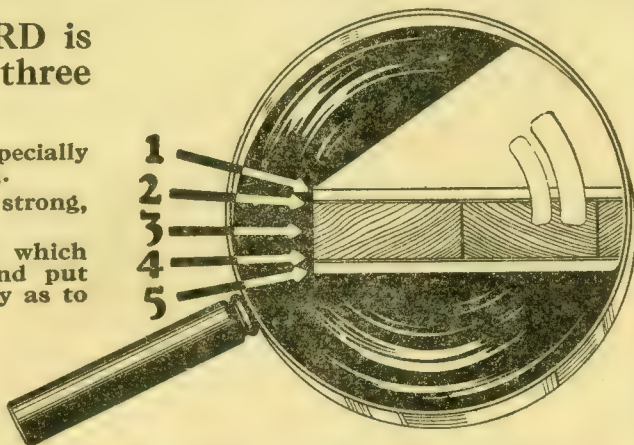
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

When You Require— Electrical Construction

Remember our experience in the last ten years
has covered every phase of the work.

Office Buildings, Industrial Plants, Power House
and Sub-stations, Overhead Line Construction,
Underground Cables, Conduit Systems, Trolley
Roads, etc.

We are glad to give you the benefit of this
experience.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse: 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.
1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Manufacturers' Representative
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

TRAY ELEVATORS AND LOWERATORS CONVEYOR EQUIPMENT

LOWERATOR MANUFACTURING CO.
BROOKLYN, N. Y.

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



ONE BAG TILTER NOW AT HALF BAG PRICE

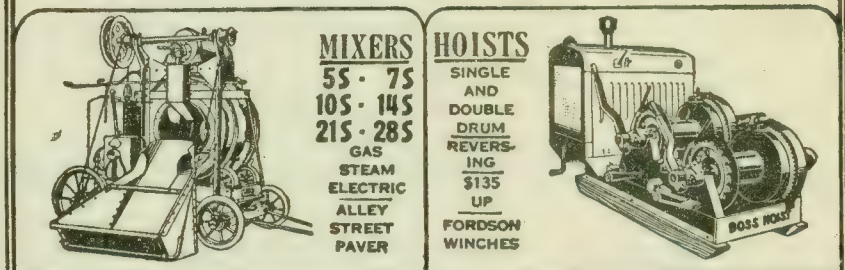
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

ING

\$135

UP

FORDSON

WINCHES

BRICK

ELKINS PARK BANK

just nearing completion, is another
piece of Colonial architecture made
possible by the use of

EXCELSIOR ANTIQUES

The building was designed and executed
by the well known

HESSWIN COMPANY

A true colonial appearance and atmos-
phere can always be secured thru the
use of genuine kiln-burned

EXCELSIOR ANTIQUE BRICK

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many
types of sash can be filled
from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

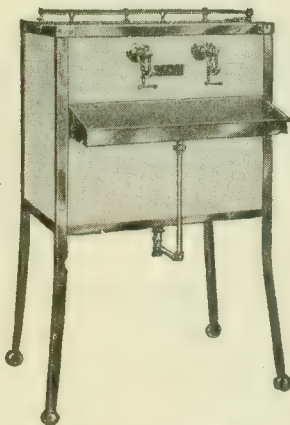


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. CO.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Number 13

Engineering and the Building Trades

PHILADELPHIA

March 30, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Synagogue, Northeast Boulevard and E street, Philadelphia. Architect, not selected. Owners, Congregation Brith Israel, Harry Fels, 311 East Roosevelt Boulevard, Philadelphia. Work contemplated.

Residence (alts. and add.), 5863 Chestnut street, Philadelphia, \$10,000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, rear addition, general alterations and additions. Plans in progress.

Stores (2), Two-Family Residences (2), 331-33 Lombard street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories and basement, 17x65 feet, 19x65 feet. Plans in progress.

Store and Apartments, 215 South Forty-fifth street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x60 feet, general repairs, plate glass, metal bulks. Plans in progress.

Stores (5), Assembly Building, Southwest Corner Fifty-third and Market streets, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, stucco, 2 stories and basement, 36x82 feet 6 inches, slag roof, maple floors, cement work, electric light, tile work, metal bulks, plate glass. Plans in progress.

Stores and Auto Service Building, Germantown avenue and Bethlehem Pike, Chestnut

Hill, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets. Owners, Felt Brothers, Packard Building, Philadelphia. Brick, 1 story, size of lot 169½x170½x125 feet. Preliminary plans in progress.

Store, Office and Apartment (alts. and add.), 2223-27 Columbia avenue, Philadelphia. Architect, I. Demehick, 1701 Chestnut street, Philadelphia. Owners, Rosenberg & Friedman, care of architects. Brick, 3 stories, general alterations and additions. Plans in progress.

Two-Family Residences (12), Fifty-seventh and Haddington avenue, Philadelphia. Architect, Joseph E. Lowery, Land Title Building, Philadelphia. Owner, name withheld. Brick, 2 stories. Plans in progress.

Storage Shed, Eleventh and Reed streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of City Property, City Hall. Plans completed. Owners ready for bids.

Banking House, Northeast Corner Sixteenth and Locust streets, Philadelphia. Architects, Zantlinger, Borie & Medary, Otis Building, Philadelphia. Owners, E. W. Clark Co., 321 Chestnut street, Philadelphia. Plans in progress. Too early for details.

Residence and Garage, Carroll Park, City Line, Philadelphia. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, W. D. & H. T. Smedley, Narberth, Pa. Stone, frame, 2½ stories, 27x41 feet, 18x24 feet, black slate roof, vapor heat, electric light,

tile work, hardwood floors. Owners will build and will take sub-bids in two weeks.

Apartment House, 5421 Locust street, Philadelphia. Owner, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, William Condon, Pennsylvania Building, Philadelphia. Brick, limestone, steel, 3 stories and basement, 33x30 feet, 18x122 feet, slag roof, oak, pine and cement floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Architect taking bids due April 2nd.

Alterations, 3126 Market street, Philadelphia. Architect, I. Demehick, 1703 Chestnut street, Philadelphia. Owners, Linton Lunch Co., on premises. Carpentry and mill work, plastering, granite, hardware, resetting radiators. Architect taking bids due as soon as possible.

Store Building, 2209-11 Chestnut street, Philadelphia. Architect, Richard R. Kerns, 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Brick, concrete, cut stone, steel, 3 stories and basement, 40x75 feet, slag roof, oak, pine and cement floors, steam heat, electric light, metal lath, kalamein doors, bond, ornamental iron work, plumbing, plastering, painting and glazing, mill work. Architect taking bids due March 31st at noon.

Building, Northwest Corner Thirty-sixth and Locust streets, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Six-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on

CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

teenth street, Philadelphia. Owners, Christian Association of the University of Pennsylvania, on premises. Brick, cut stone, reinforced concrete, steel, 3 stories and basement, 120x80 feet, built-up and slate roof, cement, oak floors, hollow tile, roof ventilators, metal ceilings, architectural terra cotta, flagstone, cast stone, incinerators, rubber tile, slate work, rubber stone, metal toilet partitions, morene wall finish, plumbing, dumb waiter, area gratings, wrought iron pipe, ornamental iron work, floor hardener, bond, hollow metal doors, rolled steel skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, electric light, steam heat. Architects taking bids due April 5th.

Nurses' Home (alts. and add.), Thirty-fourth and Pine streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Philadelphia General Hospital, Dr. W. Krusen, 584 City Hall. Reinforced concrete, brick, cut stone, steel, 5 stories, 134x124 feet, metal lath, tile, marble and terrazzo work, hollow metal sash, kalamein doors, bond, iron stairs, ornamental iron work (plumbing, heating, electric separate), asbestos built-up slag roof, cement and pine floors, elevators, roof ventilators, metal weather strip, waterproofing, metal medicine cabinets, alberne works. Deposit, \$30, refund \$20. Owners taking bids due April 6th. Certified check, 5 per cent. of bid.

Elementary School, Pratt and Mulberry and Bridge streets, Philadelphia. Architect, I. T. Catherine, Nineteenth and Chestnut streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, reinforced concrete, granite, 3 stories and basement, 136x114 feet (plumbing, heating, electric and ventilating separate, cement and maple floors, hollow tile, safety treads, metal weather strip, Parlock waterproofing, dampproofing, wall finish (sand), leaded glass, steel partitions, membrane waterproofing, area gratings, bronze work, ornamental iron work, iron stairs, floor hardener, bond, steel and hollow metal doors, rolled steel sash, tile, marble and terrazzo work, metal lath. Owners taking bids due April 5th at noon.

Alterations to Old Building and New Fourth Floor, New Building Fourth Floor, Jamestown and Ridge avenue, Roxborough, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Memorial Hospital, on premises. Brick, steel, cast stone, 4 stories, 42xx98 feet, slag roof, cement floors. Architect taking bids due April 4th at noon.

Philadelphia General Hospital for Contagious Diseases, Second and Luzerne streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Health, Bureau of Hospitals, Philadelphia. Owners taking bids due April 6th, for removing present concrete and asphalt pavements, resurfacing same, new concrete walks and resurfacing roadways.

Pennsylvania Railroad Work. Owners, Pennsylvania Railroad, C. E. Walsh, Seventeenth and Filbert streets, Philadelphia. Contract No. 35, slag ballasted. No. 37, frogs and crossings. No. 38, structural steel for bridges. Owners taking bids due April 4th at noon.

Residences (54), Champlost avenue, West of Front street, Philadelphia, \$223,000. Architect, private plans. Owners, James A. Nolen & Son, 64 East Church lane, Philadelphia.

Brick, 2 stories, 15x28 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (57), Linton street, West of Front street, Philadelphia, \$222,500. Architect, private plans. Owner, Joseph Sheperto, 1214 Wagner avenue, Philadelphia. Brick, 2 stories, 15x26 feet, 10x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Service Station, Northeast Corner Spring Garden and Orianna streets, Philadelphia, \$15,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x20 feet. Permit issued.

Residences (2), (1) 2544 Birch street, and (1) 2545 Monmouth street, Philadelphia, \$7,000 total. Architect, private plans. Owner, A. Slowak, 2740 Pratt street, Philadelphia. Brick, 2 stories, 16x32 feet and 16x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (44), Torresdale and Robbins avenues, Philadelphia, \$159,000. Architect, private plans. Owners, Nassau Const. Co., 5617 Walnut street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x12 feet, slag roof, pine floors, electric light. Permit issued.

Residences (7), North side Benner street, East of Erdrick street, Philadelphia, \$28,000. Architect, private plans. Owner, Fred W. Dietrich, Northeast Corner Frankford and Devereaux streets. Brick, 2 stories, 16x31 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (5), 4546-54 Mercer street, Philadelphia, \$18,500. Architect, private plans. Owners, Bogucki & Laske, 2414 Orthodox street, Philadelphia. Brick, 2 stories, 14x46 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Office, West side Ninth street, North of Tioga street, Philadelphia, \$15,000. Architect, private plans. Owners, Frank C. Snedaker & Co., on premises. Brick, 2 stories, 103x30 feet and 83x30 feet. Permit issued.

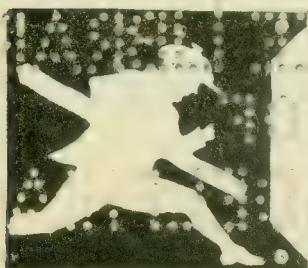
Residence, 1124 South Tenth street, Philadelphia, \$3,000. Architect, private plans. Owner, John Manin, 929 Ellsworth street, Philadelphia. Brick, 3 stories, 16x20 feet, 13x44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, North side Guernsey street, East of H street, Philadelphia, \$2,000. Architect, private plans. Owner, Bertha Oelschlegel, 1825 Widener Place, Philadelphia. Permit issued.

Residences (45), Tudor, Leon and Ryan streets, Philadelphia, \$165,500. Architect, private plans. Owner, Harry Bobb, 6232 Cedar avenue, Philadelphia. Brick, 2 stories, 16x26 feet, 12x14 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (14), Roser street, South of Rockland street, Philadelphia, \$61,600. Architect, private plans. Owner, Samuel Kennedy, Kensington avenue and Cumberland street, Philadelphia. Brick, 2 stories, 15x28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (20), Dittman, Knorr and Marsden streets, Philadelphia, \$80,000. Architect, private plans. Owner, Morris Abramson, 840 Jackson street, Philadelphia. Brick, 2 stories, 14x27 feet, 11x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.



Good Work

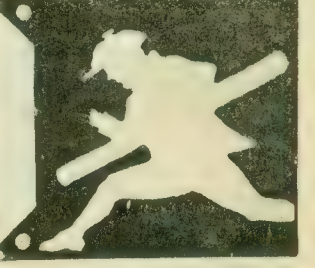
Quick Service

BLUE PRINT SHOP

Mail Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Residences (7), North side Aspen street, West of Thirty-sixth street, \$2,500 each. Architect, private plans. Owner, Harry Harad, 4942 C street, Philadelphia. Brick, 2 stories, 15x20 feet, pine floors, hot water heat, electric light. Permit issued.

Garages (15), North side Guernsey street, West of Front street, Philadelphia, \$2,250 total. Architect, private plans. Owner, James R. Roy, 2950 North Second street, Philadelphia. Iron on iron, 1 story, 16x120 feet. Permit issued.

Residences (35), Godfrey avenue, East of Second street, Philadelphia, \$214,000. Architect, private plans. Owner, Carl Metz, 315 West Rockland street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Loading Station, South side Pulaski avenue, West of Hansberry street, Philadelphia, \$50,000. Architect, C. B. Comstock, 110 West Fortieth street, New York. Owners, General Baking Co., 342 Madison avenue, New York. Brick, 2 stories, 100x117 feet 2 inches. Permit issued.

Store (alts.), 1112 Chestnut street, Philadelphia, \$3,000. Architect, private plans. Owners, Turner Realty Co., 354 Fourth avenue, New York. General alterations. Permit issued.

Residences (10), South side Robbins avenue, East of Hasbrook avenue, Philadelphia, \$41,400. Architect, private plans. Owner, Joseph W. Schorn, 401 Unruh street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (4), East side Tabor road, North of Shelmire street, Philadelphia, \$16,000. Architect, private plans. Owner, Lena Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Service Station (add.), 4135-39 Frankford avenue, Philadelphia, \$10,000. Architect, Edward Schoeppe, 316 South Fifteenth street, Philadelphia. Owners, Willard Chevrolet Co., 4131 Frankford avenue, Philadelphia. Brick, 2 stories add., 51x52 feet, slag roof, cement floors, electric light. Permit issued.

Residences (2), 4508-10 Pierce street, Philadelphia, \$6,000. Architect, private plans. Owner, A. Jastrzembki, 4512 Pierce street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 49 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Miscellaneous Work, Phila. Owner, Dept. of Public Work, Bureau of Highways, 216 City Hall. Owner taking bids due April 5th at noon. Grading, asphalt paving hillside, vit.

v lock paving, redressed granite block paving, asphalt, repaving, redressed granite block, repaving, country road imp. Repairs to bridges, fuel oil, centrifugal plant, asphalt paving mixture, demolition of buildings on line of Ditman street. Certified check, 5%.

Residence, Torresdale, Pa. Architects, Wm. W. Slack & Son, Trenton, N. J. Owners, Mr. and Mrs. W. B. Chamberlain, Jr., care of architects. Hollow tile, stucco, 2½ stories and basement, 77x28 feet, irregular plumbing, heating, tile work, slate roof, oak and pine floors, electric light, metal lath, rolled steel sash, ornamental iron work, flagstone, cast-stone. Architects taking bids due April 5th.

Residences (15), S. Side Homestead St., W. of Milnor St., Phila., \$51,400. Architect, private plans. Owners, Ramsey & Williams, No. 6042 Cobbs Creek Park, Phila. Brick, 2 stories, 15x25, 11x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Offices and Sand House, S. W. Cor. 10th and Luzerne streets, Phila., \$6,000. Owners, Phila. Rapid Transit Co., 8th and Dauphin streets, Phila. Brick, 1 story, 16x25 feet, 12x27 feet. Permit issued.

Garage (add.), 2336-38 N. Franklin street, Phila., \$2,500. Architect, private plans. Owner, Harry R. Kline, 2241 N. 8th Street, Phila. Brick, 1 story addition, 20x68 feet, slag roof, cement floors. Permit issued.

Penna. R. R. Work. Pur. Agents, C. E. Walsh, 17th and Filbert streets, Phila. Owner taking bids due April 8th at noon. Cont. No. 39, crystal sheet glass; No. 40, plate glass; No. 41 plain sheet glass.

Walnut Park Plaza Apartment House, S. E. Cor. 63rd and Walnut streets. Architects, Stetler & Deysher, Jefferson Bldg., Phila. Owner, L. M. Lifter, Jefferson Bldg., Phila. Brick, cast stone, steel, reinforced concrete, 9 stories and basement, 200x100, irregular, built-up roof, oak, pine and cement floors, hollow tile elevators, metal weatherstrip and ceilings, dampproofing, cast stone wall finish, incinerator, area gratings, wrought iron pipe, ornamental iron work, iron stairs, bond, fire and kalamein and hollow metal doors, rooled steel sash and skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat, combination baseboard, ornamental plaster, plumbing, kitchen cabinets, refrigerators. Armstrong Latta, 1926 Sansom street, Phila., taking sub-bids due as soon as possible.

Residences (170), Basement Garages and 6 Stores, K and Luzerne streets, Phila. Architect, private plans. Owner, Joseph S. Silver, 5116 N. Camac street, Phila. Brick, 2 stories, 16x35 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Work contemplated. Preliminary sketches in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store Building, Southwest Corner Seventeenth and Chestnut streets, Philadelphia. Architect, C. E. Wunder, 1520 Locust street, Philadelphia. Owners, Bonwit, Teller & Co., Thirteenth and Chestnut streets, Philadelphia. Brick, steel, reinforced concrete, granite, limestone, 8 stories and basement, 146x71 feet, slag roof, cement floors, hollow tile, metal window guards, metal lath, tile and marble work, rolled steel and hollow metal sash, fire doors, kalamein and hollow metal doors, iron stairs, bond, ornamental iron work, shoring, bronze work, Peele doors, refrigerator doors, cast stone, metal toilet partitions, vitrolite incinerators, cork insulation, sound insulation, medicine cabinets, folding beds, ash hoists, window safety devices, spiral chute, vault doors, area gratings (plumbing, heating, electric sprinkler, refrigerator, dumb

waiter, elevators reserved). Contract awarded Roberts & Roller, 1700 Walnut street, Philadelphia.

Factory (alts. and add.), Ontario and C streets, Philadelphia, \$91,000. Architect, Rankin Kellogg, 1805 Walnut street, Philadelphia. Owners, Philadelphia Storage Battery Co., George Deming, on premises. Brick, steel, 3 stories and basement, 90x40 feet, 1 story, 50x120 feet, 50x90 feet (heating, electric reserved), slag roof, composition and cement floors, plumbing, metal lath, hollow metal sash, rolled steel skylights, bond, ornamental iron work, metal partitions, dumb waiter, mastic floors. Contract awarded Stewart Brothers, 2526 North Orkney street, Philadelphia.

Factory, Erie avenue and G street, Philadelphia, \$147,000. Architect, Horace W. Castor,

BRICKS HOLLOW TILE

COX - JANEWAY CO.
Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

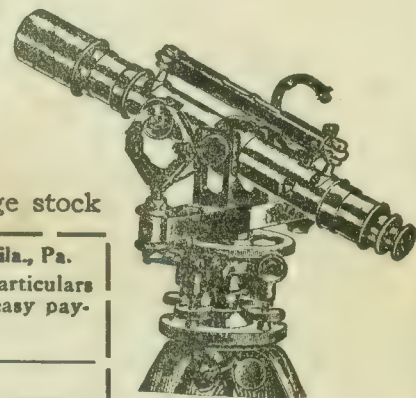
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars about the Weilco Level and your easy payment plan.
Name _____
Address _____



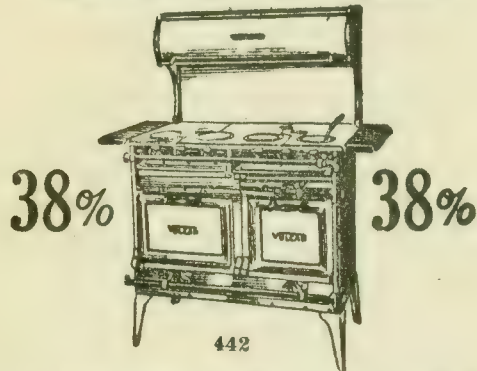
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

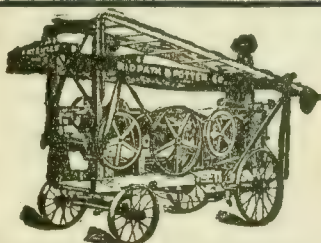
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

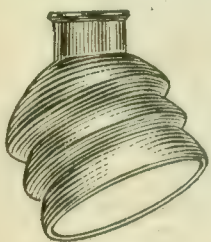
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Stephen Girard Building, Philadelphia. Owners, Philadelphia Gear Works, on premises. Brick, concrete, steel, 2 stories, 398x110 feet (plumbing, heating, electric reserved), metal lath, hollow metal sash, rolled steel skylights, tin-clad fire doors, roof ventilators, ornamental iron work, dampproofing, architectural terra cotta, cement and maple floors, hollow tile, metal partitions, steel chimney. Contract awarded A. Raymond Raff Co., 1635 Thompson street, Philadelphia.

Stores (20), 1309-11 Walnut street, Arcade to Sansom street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, 1309-11 Walnut Street Investment & Holding Co., care of S. W. Sargent & Co., 1600 Walnut street, Philadelphia. Brick, cast iron, architectural terra cotta, steel, 2 stories and basement, 46x230 feet, slag roof, pine and cement floors, steam heat, electric light, metal lath, ornamental iron work. Contract awarded J. S. Rogers Co., Drexel Building, Philadelphia.

Interior Alterations, 1209-13 Chestnut street, Philadelphia. Architects, Hahn & Baylinson, 721 Chestnut street, Philadelphia. Owners, Mawson & DeMany, on premises. Brick, reinforced concrete, composition floors, plastering, ornamental iron work, tile work, kalamain doors, carpentry and mill work, stair work, oak floors, rolled tile floors, glazing, hardware, hollow tile, metal lath, iron grills, metal skylights (drainage, plumbing fixtures, store fixtures, electric, elevator, elevator front, electric light and work, sprinklers, painting of walls, ceilings and wood work reserved). Contract awarded A. Kirpich, 3211 West Oxford street, Philadelphia.

Shop (alts. and add.), 1523 Poplar street, Philadelphia. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Owner, G. J. Kreire, on premises. General alterations, brick, 2 stories, cement floors, electric light, steel sash, carpentry and mill work, painting and glazing, plumbing. Contract awarded S. A. Sims, 2315 Walnut street, Philadelphia.

Interior Finish, One Story Floor and Basement, 1420-22 Walnut street, Philadelphia, \$60,000. Architect, Ralph Bencker, Bellvue Court Building, Philadelphia. Owners, Guarantee Trust Co., 316 Chestnut street, Philadelphia. Marble, tile work, ornamental iron work, bank vaults, terrazzo floors, painting and glazing, cabinet work. Contract awarded Ketcham & McQuade, 1029 Brown Street, Philadelphia.

Interior Completion, second floor, 1420-22 Walnut street, Philadelphia, \$25,000. Architect, Ralph Bencker, Bellvue Court Building, Philadelphia. Owners, Graham Parson Co., 435 Chestnut street, Philadelphia. Cabinet work,

marble and terrazzo work, ornamental and plain plaster, Arvon finish. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia.

Parish House (alts.), Twenty-first and Chestnut streets, Philadelphia. Architects, Bunting & Shingley, 603 Chestnut street, Philadelphia. Owners, First Unitarian Church, on premises. Contract awarded J. Myers Sons Co., 5100 Lancaster avenue, Philadelphia.

School, East Roosevelt Boulevard and C street, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ambrose's Roman Catholic Church, Rev. J. A. Hughes, on premises. Stone, 3 stories and basement, 60x140 feet (plumbing, heating and electric reserved), slate roof, maple and cement floors, metal lath, bond, ornamental iron work. Contract awarded P. H. Kelly, 1713 Sansom street, Philadelphia.

Store and Office Building, Northwest Corner Fortieth and Ludlow streets, Philadelphia, \$60,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, cut stone, steel, 8 stories and basement. Plans filed. Contract awarded to E. H. Keefer & Son, 1321 Rodman street, Philadelphia.

Main Building (add. and alts.), Thirty-ninth and Powelton avenue, Philadelphia, \$12,000. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Old Men's Home, on premises. Carpentry, mill work, concrete, cement work, demolition, brick, 1 story add., 26x39 feet, electric work, kitchen equipment, stone work, painting, glazing, plumbing, shoring, sheet metal work. Contract awarded to H. E. Grau Co., 2125 Cherry street, Philadelphia.

Church, Corner Twenty-first and Tasker streets, Philadelphia, \$60,000. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Trustees, Zion A. M. E. Church, on premises. Stone, 55x79 feet, slate roof, steam heat, electric light. Contract awarded to George B. Bond, Thirteenth and Sixty-sixth avenue, Philadelphia.

Garage and Show Room, Northwest Corner Bustleton avenue and Welsh road, Philadelphia. Owner, R. A. Erwin, 8533 Bustleton avenue, Philadelphia. Brick, 70x150 feet, slag roof, cement floors. Plans filed. Contract awarded to Walter Freas, 9532 Bustleton avenue, Philadelphia.

Residence (add.), 5640 Mascher street, Philadelphia, \$5,000. Architect, private plans. Owner, L. P. Lankford, 5306 Sixty-sixth avenue, Philadelphia. Brick, 1 story add., 20x31 feet, slag roof. Contract awarded to William

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

A. Laibe, 7508 Montour street, Philadelphia.

Wash House, 1321-23 Cambridge street, Philadelphia, \$4,500. Architect, private plans. Owner, Anton Dorfner, 1324 West Girard avenue, Philadelphia. Brick, 1 story, 32 feet 10 inches x 60 feet. Contract awarded to G. Troxell, 1324 West Girard avenue, Philadelphia.

Residence (alts.), 8508 Lyons avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Lusko Harmondi, 8508 Lyons avenue, Philadelphia. General alterations. Contract awarded to F. B. Davis & Son, 240 North Sixteenth street, Philadelphia.

Residence (add. and alts.), 440 West York street, Philadelphia, \$2,000. Owner, Frank Voce, on premises. Brick, 1 story add., 11x17 feet, general alterations. Contract awarded to Cecil Buckwork Co., 1642 South Camac street, Philadelphia.

Residence, North side Borbeck street, West of Loretta street, Philadelphia, \$4,800. Architect, private plans. Owner, Ludwig M. Peterson, 3259 Custer street, Philadelphia. Frame, 2 stories, 30x32 feet, hot water heat, electric light. Contract awarded to Irvin H. Bauer, Glenview and Godfrey streets.

Residence (add.), South side Fairview street, East of Fuller street, Philadelphia, \$3,800. Architect, private plans. Owner, Robert States, Crispin and Holmesburg streets, Philadelphia. Frame, 1 story add., 24x34 feet. Contract awarded to J. A. Hand, 3313 Rhawn street, Philadelphia.

Garage, 1811-15 Fitzwater street, Philadelphia, \$18,000. Architect, J. S. Fuller, 20 South Fifteenth street, Philadelphia. Owner, A. Poall, 1812 Fitzwater street, Philadelphia. Brick, 2 stories, 48x85 feet, 16x53 feet, slag roof, cement floors. Contract awarded to Louis Rosengarten, Otis Building, Philadelphia.

Marble Cutting Plant, Northwest Corner Fiftieth and Wynnefield avenue, \$30,000. Architect, private plans. Owner, Clarence C. Cole, 20 South Fifteenth street, Philadelphia. Brick, 2 stories, 50x16 feet, 50x127 feet. Contract awarded to Merion Corp., 720 Montgomery avenue, Narberth, Pa.

Apartment House (add. and alts.), 4854 Woodland avenue, Philadelphia, \$18,000. Architect, private plans. Owner, James McLaughlin, 4 North Montpelier avenue, Atlantic City, N. J. Brick, 1 story add., 20x20 feet 2 inches, general alterations. Contract awarded to Moorehouse & Eves, Media, Pa.

Factory (add.), 709-11-13 North Second street, Philadelphia, \$15,000. Architect, private plans. Owners, Diamond, Solomon & Drossin, 711 North Second street, Philadelphia. Brick, 2 stories add., 20x110 feet. Contract awarded to H. Miller, 427 Catherine street, Philadelphia.

Garage and Storage, 5719 Arch street, Philadelphia, \$11,000. Architect, private plans. Owner, Washington Ford, 5717 Arch street, Philadelphia. Brick, 2 stories, 14x103 feet, 30x30 feet, slag roof, cement floors. Contract awarded to S. J. De Costa, 41 South Ruby street, Philadelphia.

Garage, 5609 North Palethorpe street, Philadelphia, \$3,500. Architect, private plans. Owner, J. P. Harley, 5609 North Palethorpe street, Philadelphia. Brick, 1 story, 18x110 feet, slag roof, cement floors, electric work. Contract awarded to Albert F. Foster, 5614 North Second street, Philadelphia.

Residence and Store (add.), 4701 North Fifth street, Philadelphia, \$2,000. Architect, private plans. Owner, Aaron Toll, on premises. Brick, 1 story add., 20x22 feet. Contract awarded to N. Lapidus, 3643 C street, Philadelphia.

Store and Display Room, 8506 Germantown avenue, Philadelphia, \$10,000. Architect, private plans. Owners, A. & R. Allan, 5 West Highland avenue, Philadelphia. Brick, 2 stories, 18x68 feet, hot water heat, electric light. Contract awarded to Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Residences (2), 4313-15 Howell street, Philadelphia, \$8,000 total. Architect, private plans. Owner, Robert E. Jones, 5813 Walker street, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 35 feet, slag roof, pine floors, hot water heat. Contract awarded to E. M. Carlston, 4424 Higbee street, Philadelphia.

Residences (2), 4219-21 Benner street, Philadelphia, \$7,000 total. Architect, private plans. Owner, W. McKinney, Benner and Montague streets, Philadelphia. Brick, 2 stories, 14x27 feet, 11x10 feet, slag roof, pine floors. Contract awarded to E. M. Carlston, 4424 Higbee street, Philadelphia.

Store and Residence (alts.), 273-75 South Eleventh street, Philadelphia, \$5,000. Architect, private plans. Owner, Catherine Friedman, 1217 South Sixty-first street, Philadelphia. General alterations. Contract awarded to Walter G. Hunt, 2827 North Sixth street, Philadelphia.

Packing Room, 1427 East Columbia avenue, Philadelphia, \$4,000. Owner, Brownhill Cramer, Columbia avenue and Memphis street, Philadelphia. Brick, 1 story, 18x75 feet 6 inches, 20x46 feet. Contract awarded to William Steele & Son Co., 124 North Fifteenth street, Philadelphia.

Store and Residence (alts.), 1717 Walnut street, Phila., \$18,000. Owner, Julia C. Morris, 231 S. 8th St., Phila. General alterations. Contract awarded to Henry C. Dahl, 231 S. 8th street, Phila.

Store (add. and alts.), 126 Spruce street, Phila., \$4,000. Architect, private plans. Owners, Gorsen & Beck, on premises. Brick, 2 story addition, 9x29 feet 6 inches, general alterations. Contract awarded to Henry C. Dahl, 231 S. 8th St., Phila.

Pennsylvania Construction News

Theatre, Parker avenue, Woodlawn Section, Collingdale, Pa., \$100,000. Owner, name with-

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.

INSTALLS ON THE ROOF OF ITS NEW
BUILDING

15TH AND WALNUT STREETS

HOOD'S PYRO-TYNT

PROMENADE TILE

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

MANUFACTURED BY

B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

: Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

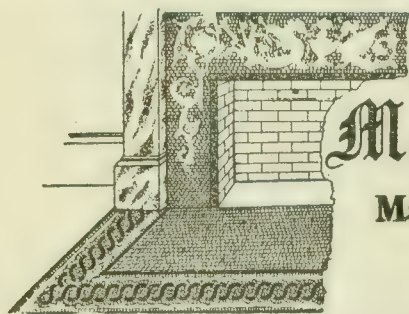
THERE IS ONLY ONE IN-A-
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If h
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegra
of Truscon STONETEX.

STONETEX is the masonry coating. Not on
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

BEDS

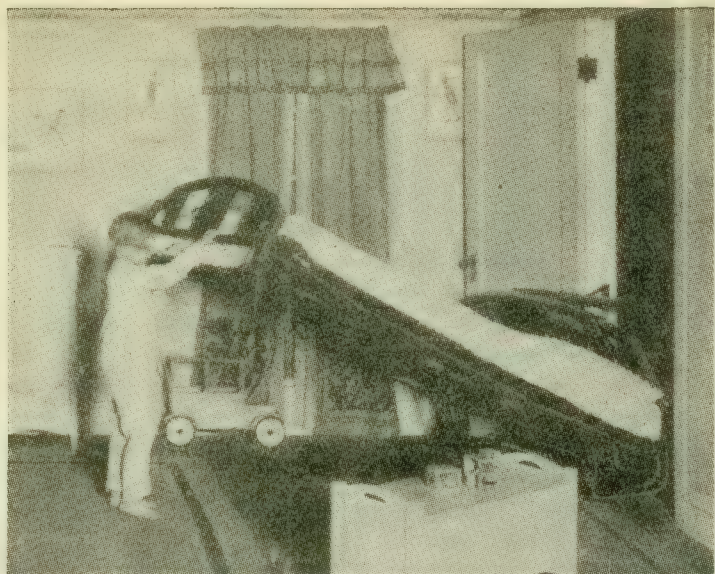
mes
ings

call at our
in kitchen
boards as
beds

CO.

y Building
44th Street
v York

BED



A child can operate the bed

portable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.

and the concrete is spalling
stopped by the application

as it prevent moisture
also covers the surface
es flat. It does not
e masonry.



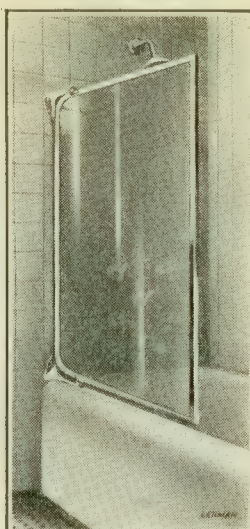
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

held, care of Wayne C. Donahoo, Collingdale, Pa. Work contemplated.

School, Palmerton, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Sacred Heart Roman Catholic Church,

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE
LIMESTONE
GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Rev. J. P. Vlossok, Palmerton, Pa. Plans in progress.

Bank, York, Pa., \$500,000. Architects, York & Sawyer, 100 East Forty-second street, New York. Owners, York County National Bank, Samuel Small, president, 13 East Market street, York, Pa. Fireproof, stone, 1 story, 30x150 feet. Plans in progress.

High School, East Lampeter Township, Lancaster County, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, East Lampeter Township School Board, Mr. Heller, secretary, Lampeter, Pa. Fireproof, 1 story, 6 rooms and gymnasium. Preliminary plans in progress.

Store and Restaurant, Upper Darby, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Murray Candy Shop, 7025 Garrett road, Upper Darby, Pa. Brick, 2 and 3 stories. Preliminary sketches drawn.

Church and Sunday School and Parish House, Hershey, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, First United Brethren Church, Rev. A. K. Wier, Hershey, Pa. Brick. Preliminary plans in progress.

Church (add. and alts.), Lancaster, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Church of the Brethren, S. S. Gibb, secretary, Lancaster. Preliminary plans in progress.

Double Residence, Schuylkill Haven, Pa. Architect, H. Maurer, 234 North Fifth street, Reading, Pa. Owners, S. B. Keeler and H. E. Swayberger, Schuylkill Haven, Pa. Stone, timber, 2½ stories, 48x60 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Church, Olyphant, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, St. Patrick's Roman Catholic Church, Rev. P. J. Murphy, Olyphant, Pa. Stone, 1 story, 62x114 feet, tile roof, composition floors, waterproofing, bond, marble work, steam heat, electric light. Plans in progress. Architect will take bids April 1st.

Church, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, St. Anthony's Church, Rev. Q. Rauzi, Wood street, Scranton, Pa. Stone, 1 story, 45x82 feet, asphalt roof, wood floors, steam heat, electric light, tile and marble. Plans in progress. Architect will be ready for bids April 1st.

Fraternity House, State College, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Theta Kappa Phi, State College, Pa. 2½ stories, 123x42 feet, slate roof, oak, composition and tile floors,

hot water heat, electric light, tile work. Plans in progress. Architect will be ready for bids April 15th.

Residence Hall, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Marywood College, 2300 Adams avenue, Scranton, Pa. Architect taking bids on following: Elevators, kitchen equipment, flooring, furniture.

Theatre, Kulpmont, Pa., \$200,000. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Chamberlain Amusement Co., Pottsville, Pa. Brick, steel, limestone, steel, concrete. Plans in progress. Ready for bids in a month.

Bank Building (alts. and add.), Bristol, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Farmers' National Bank of Bucks County, J. R. Grundy, Bristol, Pa. Brick, stone, 1 story and basement. Ready for bids.

Shop, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Lancaster Advertising Poster Co., care of architect. Concrete block, 1 and 2 stories, 50x125 feet, composition roof, electric light. Architect will be ready for bids in about ten days.

Residence, Allentown, Pa. Architect, H. Y. Shaub, 20½ N. Queen street, Lancaster, Pa. Owner, Dr. Hope Ritter, 101 North Eleventh street, Allentown, Pa. Brick, 3 stories, 70x90 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Owner taking bids.

Dormitory Building, Quincy, Pa. Architects, Kast & Kelker, 222 Market street, Harrisburg, Pa. Owners, Quincy U. B. Orphans' Home, Quincy, Pa. Brick, fireproof, 2 stories and basement, 45x80 feet, slate roof, composition roof, electric light. Owners will build.

Residence (alts.), Riverside, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Dr. J. S. Oenslager, 711 North Third street, Harrisburg, Pa. General alterations, vapor heat, plumbing. Owner will build.

Residence, Penn and Wynnewood roads, Wynnewood, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Walker E. Linvill, Land Title Building, Philadelphia. Stone, cut stone, 2½ stories and basement, 80x42 feet, slate roof, oak and pine floors, plumbing, ornamental iron work, bond, concrete block, area grills, wrought iron pipe, steam heat, electric light, metal lath. Architect taking bids due April 2nd at noon.

Lodge Building, 306 High street, Pottstown, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Pottstown Aerie of Eagles, 264 High street, Pottstown, Pa., care of S. Epdegrove. Brick, stone, steel, 3 stories and basement, 51x150 feet, composition roof, composition and hardwood floors, freight elevator, roof ventilators, ornamental

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

iron, iron stairs, bond, kalamein doors, skylights, tile and marble, metal lath, electric light (heating reserved). Architects ready for bids. Applications for plans must be made by April 1st.

Residence, Meeting House road, Meadowbrook, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, name withheld. Stone, cut stone, 2½ stories and basement, 116x40 feet, 25x31 feet, variegated slate roof, oak, pine and cement floors, plumbing, steam heat, electric light, tile work, metal lath, bond. Architects taking bids due April 1st.

Residence, Baederwood, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, William T. Muldrew, Baederwood, Pa. Stone, 2½ stories and basement, 41x38 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Architect taking bids due April 2nd.

Building, Pottstown, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, reinforced concrete, steel, hot water heat, electric light, metal lath, rolled steel sash, fire doors, bond, ornamental iron work, wrought iron pipe, area gratings, architectural terra cotta, concrete and pine floors, hollow tile, concrete retaining wall, paving and piers, steel shelving, metal lockers, rolling steel shutters, asphalt floors, dumb waiter, plumbing, office building, 2 stories, 40x30 feet, add. 1 story over freight house, 61x30 feet, freight house, 30x196 feet, 1 story, operating platform, 17x218 feet. Owners taking bids due April 7th.

Residence, Langhorne, Pa. Architect, Lawrence Bisscher Boyd, Harrison Building, Philadelphia. Owner, Dr. S. LeRoy Ridge, Langhorne, Pa. Frame, 2 stories, 35x53 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due April 7th at noon.

Post Office (alts.), Allentown, Pa. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. New flooring and mezzanine. Owners taking bids due April 13th at 2 P. M.

Rectory, Bethlehem, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ursula's Roman Catholic Church, Rev. C. B. McGinley, Bethlehem, Pa. Stone, 3 stories, slate roof. Architect taking bids due April 6th, at noon.

School (add.), Southeast Corner Eighth and Market streets, Marcus Hook, Delaware County, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Marcus Hook School Board, Florie Bartown, Marcus Hook, Pa. Brick, stone, steel, 2 stories and basement, 90x75 feet, slag and shingle roof, maple and cement floors, roof ventilators, metal ceilings, metal lath, rolled steel sash, tin-clad and kalamein doors, bond, ornamental iron work, iron stairs. Owners taking bids due April 13th.

Convent, Sunbury avenue, Minersville, Pa. Architects, Henry D. Dagit & Sons, 1329 Race street, Philadelphia. Owners, St. Vincent De Paul Parish, Rev. Edward L. Gatens, Miners-

ville, Pa. Brick, cut stone, steel, 3 stories and basement, 58x34 feet, slag roof, cement and pine floors, plumbing, waterproofing, electric light, metal lath, tile and marble work, rolled steel sash, fire doors, bond, iron stairs, ornamental iron work, wrought iron pipe, dumb waiters, morene wall finish, white coat wall finish. Architects taking bids due April 5th at noon.

Swarthmore Central Office Building (alts. and add.), Swarthmore, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Stone, brick, stucco, 1 story and basement, 31x26 feet, slate roof, cement and pine floors, painting and glazing, plastering, hardware, hot water heat, electric light, bond, waterproofing, architectural terra cotta. Architect taking bids due March 31st.

Filtration Plant and Appurtenant Work, Allentown, Pa. Engineers, Morris Knowles, Inc., 507 Westinghouse Building, Pittsburgh, Pa. Owners, City of Allentown, Malcolm Gross, Mayor, Department of Parks and Public Property, Thomas J. Roth, superintendent; Bureau of Water, W. R. Schnabel, engineer, Allentown, Pa. Reinforced concrete, steel, brick, cut stone, 1 story, 10,000,000 gallons a day capacity, tile and slag roof, cement floors, ornamental iron, floor hardener, bond, hollow metal doors, steel sash, tile work, metal lath, steam heat, electric light, wood piles, steel sheet piling, filter equipment, iron gratings, metal partitions, marbleoid floors, plumbing, wrought iron pipe. Certified check, \$18,000. Bond, \$350,000. Deposit, \$25, refunded. Owners taking bids due April 5th at 9.30 A. M.

Parish House, Norristown, Pa. Architect, Edward T. Boggs, 225 South Sixth street, Philadelphia. Owners, St. John's Protestant Episcopal Church, Norristown, Pa. Brick, stucco, 2 stories, 32x90 feet, wing 28x40 feet, slate roof, oak and pine floors, metal lath, tile work, ornamental iron work. Architect taking bids due April 4th.

Rectory, Allentown, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Sts. Peter and Paul Roman Catholic Church, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia, Rev. Leon Krajewski, pastor. Brick, 2½ stories, 30x37 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owners taking bids.

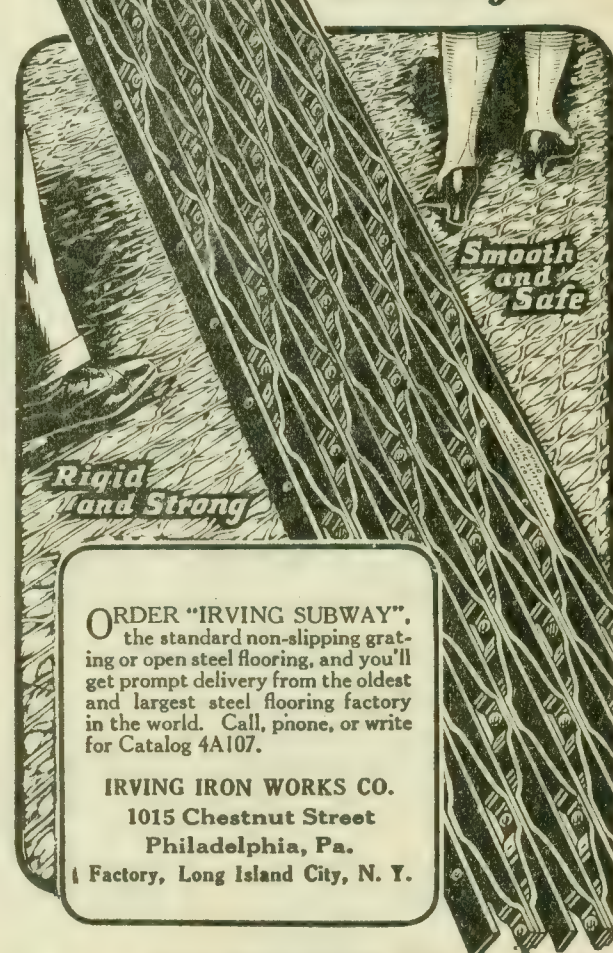
Residence and Garage, 41 Childs avenue, North of Bond avenue, Drexel Hill. Owner, John M. Arovitch, Drexel Hill, Delaware County, Pa. Stone and clapboard, 3 stories, 38x26 feet, hot water heat, electric light,

metal lath, tile work, slag roof, hardwood and pine floors. Permit issued.

Residence and Garage, 642 Runnymede avenue, Drexel Hill, \$7,500. Owner, Warren Hail, 322 Burmont road, Drexel Hill, Pa. Brick, frame, stucco, 2 stories, hot water heat, electric light, hardwood floors. Permit issued.

School, Shartlesville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Upper Bern Township School District, John S. Berger, secretary, Shartlesville, Pa. Lowest bidders: Herbert Kauffman, Shartlesville, Pa., \$25,965; Reider & McLaughlin, 524 McKnight street, Reading, Pa., \$29,000. Plumbing, Paul Fisher, Robesonia, Pa., \$2,102. Electric, Weider & Nuss, Reading, Pa. \$646.

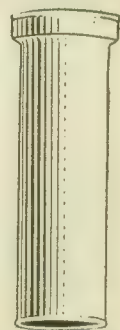
Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING FLOORING



Courtesy and Service are always here—

You will find us right on the job with
TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Heating and ventilating, J. H. Hutchinson, 1020 Callowhill street, Philadelphia, \$4,370.

School, Warminster Township, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Warminster Township School Board, A. C. Wallon, Ivyland, Pa. Brick, 1 story, 132x58 feet, Mohawk shingle roof, pine floors (plumbing, heating, electric separate bids). Owners taking bids due April 4th.

Overhead Bridge, Lewistown Junction, Pa. Chief engineer, E. P. Temple, Broad Street Station, Philadelphia. Owners, Pennsylvania

Railroad, Broad Street Station, Philadelphia. Owners taking bids due April 7th at 10 A. M.

Bridges (2), Delaware County. Owners, Commissioners of Delaware County, G. T. Wades, Media, Pa. Bridge No. 54, Sycamore Mills, over Ridley Creek. Bridge No. 189, Second street, over Chester Creek. Owners taking bids due April 5th, 11 A. M.

Factory (add.), Harrisburg, Pa. Architects, Wm. Steele & Son, 15th and Cherry Sts., Phila. Owner, Keystone Chocolate Co., Harrisburg, Pa. Brick, steel, concrete. Plans in progress.

Senior and Junior High School, Haverford Twp., Pa. Architects, Boyd, Abel & Gugert, Otis Bldg., Phila. Owner, Haverford Township School Board, W. J. Ferrill, Haverford Twp., Pa. Preliminary sketches being drawn.

Miscellaneous Work. School, near Spring City, Pa. Ownr, care J. Hibbs Buchman, Esq., Lincoln Bldg., Phila. Plans will be ready for bids on and after March 30th. Owner taking bids due at School April 13th 10 A. M. Addition to deep well deep well pump and connection to reservoir, exterior fire protection, pump house and electric wiring. Deposit \$15.00, refunded.

Residence, Bethlehem, Pa., Architect, Andrew C. Borzner, 717 Walnut street, Phila. Owner, John J. Shonk, Bethlehem, Pa. Owner ready for bids.

Roadwork, Borough of Narberth, Pa. Owner, Borough of Narberth, C. V. Noel, Clerk, Box 101, Narberth, Pa. Furnish and apply hot asphaltic oil for hot surface treatment to be covered with slag chips. Owner taking bids due April 11th, 8 P. M.

Training School for Teachers, Cheyney, Pa. Architects, Morris & Erskine, 1716 Cherry St., Phila. Owner, Cheyney Training School, Cheyney, Pa. Stone, limestone, steel, 2½ stories and basement, 36x95 feet (plumbing, heating, electric light reserved), slate roof, oak and pine and cement floors, flagstone, ornamental iron work, metal lath, tile and marble work. Owner taking bids due April 12th.

Stores (2) and Apartments, Wynnewood, Pa. Owner, Albert J. King, 9 E. Lancaster Pike, Ardmore, Pa. Brick, 2 stories. Work contemplated.

Pennsylvania Contracts Awarded

Buildings (3), Hatboro, Pa. Architect, private plans. Owners, Roberts & Manders Stove Co., Mr. Roberts, 11th & Washington Ave., Phila. Reinforced concrete, brick, cut stone, steel, Bldg. G, 3 stories & basement, 60x124 feet, Building H, 3 stories and basement, 66x199 feet, Grating Building, 1 story, Building, 41x111 feet (heating, plumbing, electric, sprinklers reserved), asphalt roof, cement floors, elevators, hollow metal sash, rolled steel skylights, hollow metal doors, ornamental iron work. Contract awarded W. P. Cameron Engr. Co., Packard Building, Philadelphia.

Sales and Service Building (alts. and add.), Old York road, Jenkintown, Pa. Architect, C. L. Caspary, 1510 Chestnut street, Philadelphia. Owners, Cole Chevrolet Co., on premises. Brick, limestone, 2 stories, 26x141 feet, slag roof, cement floors, pine floors, linoleum, electric elevator, structural steel, plumbing, steam heat, electric light. Contract awarded Stewart Brothers, 2526 North Orkney street, Philadelphia.

Church, Souderton, Pa. Architect, private plans. Owners, Emmanuel Lutheran Church, Souderton, Pa. Stone, veneer front, brick, 90x123x139 feet (vapor heat, electric light, plumbing separate) (mill work reserved), tile toilet rooms, slate roof, tile and pine floors, special wall finish in church. Contract awarded H. H. Mininger, Souderton, Pa. Heating, E. H. McGee, Telford, Pa. Plumbing, B. D. Wolford, Souderton, Pa. Electric, W. R. Weikel, Lansdale, Pa.

Stores (3), Monroe and Burke streets, Media, Pa. Architect, N. R. Dalton, Strafford, Pa. Owner, Mr. Joseph Gershenfeld, State and Monroe streets, Media, Pa. Concrete cement blocks, brick, steel, stucco, 1 story and basement, 73x40 feet, slag roof, oak, pine and cement floors, painting and glazing, plumbing, waterproofing, hot air heat, electric light, metal lath, ornamental iron work, stone work, excavation. Contract awarded S. A. Sims, 2315 Walnut street, Philadelphia.

School of Pharmacy (alts. and add.), Monroe and State streets, Media, Pa. Architect, N. R. Dalton, Strafford, Pa. Owners, School of Pharmacy, Joseph Gershenfeld, on premises. Slag roof, demolition, stone, brick, concrete block, cement and concrete work, mill work, composition floors, plastering, plumbing, electric work, steam heat, painting and glazing. Contract awarded S. A. Sims, 2315 Walnut street, Philadelphia.

Apartment House, Walnut, Shelbourne and Kingston, Upper Darby, \$500,000. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, David Magen, 5429 Montgomery avenue, Philadelphia. Stone, brick, 4 stories, 357x273x116 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded Harry Platt, 5014 Spruce street, Philadelphia.

Church, Jenkintown, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Jenkintown Methodist Episcopal Church, Alfred H. Frank, Jenkintown, Pa. Stone, 1 story, 30x50 feet, slag roof, plumbing, electric light. Contract awarded Fesmire Brothers, Bethayers, Pa.

TRIDENT

WATER METERS

For New and Old Properties

PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Steel FLAG POLES Wood

JOHN E. LINGO & SON
CAMDEN, N. J.

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 2467 W

WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

GENERAL INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

SURETY BONDS

KEYSTONE, CAMDEN 3147

Washington School, Norristown; **Roosevelt School**, Norristown, Pa. Architect, Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, Board of Education, C. I. Moore, Norristown, Pa. Brick, reinforced concrete, cut stone, 2 stories and basement, slag roof, cement floors, maple floors, hollow tile, metal lath, metal ceilings, bond, ornamental iron work, iron stairs, iron stack, area gratings, 24x60 feet each. Contract awarded—**Roosevelt School**: General, Hood & Gross, 1535 Chestnut street, Philadelphia; electric, Crissman & Quillman, Norristown, Pa.; plumbing, Crissman & Quillman, Norristown, Pa.; heating, J. F. Boyer, Norristown, Pa. **Washington School**: F. R. Heavner, Norristown, Pa.; electric, Crissman & Quillman, Norristown, Pa.; plumbing, J. Frank Boyer, Norristown, Pa.; heating, Crissman & Quillman, Norristown, Pa.

Office Building, Wayne, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owner, Joseph Fronefeld, Wayne, Pa. Brick, cut stone, 2 stories and basement, 18x50 feet, slag roof, oak and cement floors, steam heat, electric light, metal lath, tile and marble work, ornamental iron work. Contract awarded Charles Palmer, Wayne, Pa.

Residence and Garage, 1467 Keystone avenue, Beverly Hills, Delaware County, Pa. Architect, private plans. Owner, David Hunter, Beverly Hills, Delaware County, Pa. Brick, 2 stories, 38x27 feet, garage, 10x18 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work. Contract awarded J. F. Scheule, Brookline, Delaware County, Pa.

Residence and Garage, 356 Upland Way, Drexel Hill, Delaware County, Pa. Architect, private plans. Owner, William A. Matsinger, 611 North Fifty-second street, Philadelphia. Brick, 2 stories, 36x35 feet, garage, 20x20 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded George P. Gehring, care of owner.

Residence and Garage, 366 Upland Way, Drexel Hill, Delaware County, Pa. Architect, private plans. Owner, William A. Matsinger, 611 North Fifty-second street, Philadelphia. Hollow tile, 2 stories, 36x34 feet, garage, 24x20 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work. Contract awarded George P. Gehring, care of owners.

Residence (alts. and add.), Sugartown, Chester County, Pa. Architect, R. Brognard Okie, 206 South Smedley street, Philadelphia. Owner, Arthur C. Pierce, on premises. Shingle roof, painting, stone work, warm air heat, electric light, plumbing, tile work, carpentry and mill work, hardware, plastering. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Rebuilding Church and Sunday School, Pottstown, Pa., \$120,000. Architect, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Trinity Reformed Church, Pottstown, Pa. Stone, cut stone, brick, steel, 2 stories, galleries and basement, 39x53 feet (new addition), cork tile, cement and pine floors, metal lath, tile work, hollow metal doors, bond, floor hardener, ornamental iron work, metal ceilings, integral waterproofing, dampproofing, reinforced concrete work, nailerete, area gratings, brass work, caulking, Parlock plaster, bond, painting and glazing, carpentry and mill work. Contract awarded H. L. Hampton, Pottstown, Pa.

Residence (alts. and add.), Berwyn, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, R. Ellison Thompson, Abington, Pa. Frame, 2½ stories and basement, 20x40 feet, 12x22 feet (plumbing, heating and electric light re-

served), shingle roof, oak and pine floors, metal lath, ornamental iron work, flagstone. Contract awarded Townsend, Schroeder & Wood, Drexel Building, Philadelphia.

Residence (alts. and add.), near Williamsport, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, Henry Brock, care of architect. Slate roof, oak and pine floors, hardwood, plumbing, plastering, painting and glazing, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia, not signed.

Residence, Jenkintown, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Robert Carnwath, American and Cumberland streets, Philadelphia. Contract awarded Stewart Brothers, 2526 North Orkney street, Philadelphia.

Theatre, 730 Penn street, Reading, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Franklin Amusement Co., care of Masterpiece Film Attraction Co., 1329 Vine street, Philadelphia. Brick, steel, 1 story, steam heat, electric light, tile and marble work, slag roof, cement floors, ventilating system, fire doors. Contract awarded Charles H. Schlegel, Reading, Pa. Plans in progress.

School, Schuylkill Haven, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Ambrose's Roman Catholic Church, Rev. A. B. Caine, Schuylkill Haven, Pa. Brick, steel, 2 stories, 60x80 feet, 12x20 feet, composition roof, pine floors, safety treads, roof ventilators, iron stairs, bond, metal lath (heating, plumbing and electric separate). Contract awarded to L. H. Foelt & Son, Baer Building, Reading, Pa.

Chapel, Lebanon, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Salem Lutheran Memorial Church, Rev. R. Keiler, Lebanon, Pa. Stone, steel, 1 story and basement, 35x55 feet, composition roof, oak floors, vapor heat, electric light, metal lath, leaded glass, cabinet work. Contract awarded to J. H. Greiner, Lebanon, Pa.

Church, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Luke's Lutheran Church, Rev. A. Fluck, 507 North Ninth street, Reading, Pa. Brick, 1 story and basement, 70x90 feet, slate roof, hardwood floors. Contract awarded to Fink Const. Co., 510 Walnut street, Reading, Pa.

Church, Thirteenth and Amity streets, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Lutheran Church of the Nativity, Hampton Heights, Reading, Pa. Stone, steel, 1 story and basement, 40x110 feet, slate roof, hardwood floors, vapor heat, electric light, metal lath, ornamental iron. Contract awarded to J. C. Dethoff, 240 Poplar street, Reading, Pa.

Residence, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, William Ziegler, care of architect. Brick, 2½ stories, 29x39 feet, 17x17 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Reider & McLaughlin, 524 McKnight street, Reading, Pa.

New Jersey Construction News

Vocational School, Pensauken Township, Camden County, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Camden County Vocational School, Theo. Kausel, president; Munro Coulter, secretary; Camden, N. J. Architects selected.

Residence and Garage, Tavistock, Camden,

N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, J. E. Fagen, 507 Federal street, Camden, N. J. Timber, 2 stories, 30x68 feet, slate roof, hardwood floors, electric light, gas burner, tile work. Sketches in progress.

Garage, rear Haddon Hall, Atlantic City, N. J. Architects, Rankin & Kellogg, 1805 Walnut street, Philadelphia. Owners, Haddon Hall, C. W. Spellman, manager, on premises. Plans in progress.

School, Wildwood Crest, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Wildwood Crest Board of Education, Wildwood Crest, N. J. Plans completed, will be ready for bids in a few days.

Store and Apartments (4), Federal street, near Twenty-third street, Camden, N. J. Architects, Lackey & Hettel, Camden, N. J. Owner, Lewis Jaffe, 521 South Fourth street, Philadelphia. Brick, 2 stories, slag roof, plate glass, metal bulks. Plans in progress. Will be ready for bids in about two weeks.

Stores (6), Apartments (12), Fourth and Mt. Vernon streets, Camden, N. J. Architect, F. Herbert Radey, 723 Haddon avenue, Collingswood, N. J. Owner, M. C. Hechter, 323 Arch street, Camden, N. J. Brick, concrete, 3 stories, 100x40 feet, vapor vacuum heat, electric light, slag roof, pine floors, metal bulks, plate glass. Owner will build.

Apartment House, 523 Haddon avenue, Collingswood, N. J., \$75,000. Architect, F. Herbert Radey, 723 Haddon avenue, Collingswood, N. J. Owner, M. C. Hechter, 323 Arch street, Camden, N. J. Brick, 3 stories, 100x40 feet, 21 apartments. Plans about completed. Architect will take general bids in a week.

Store Building, Twenty-first and Federal streets, Marlton avenue, Camden, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, W. Arthur Jarden, Fifty-sixth and Lancaster avenue, Philadelphia. Brick, cut stone, granite, reinforced concrete, steel, 1 story and basement, 38x50 feet, slag roof, composition, cement and pine floors, metal windows and grills, metal ceilings, dampproofing, ornamental terra cotta, ornamental iron work, metal bulks, bond, tin-clad doors, metal lath, steam heat, electric, concrete footings, bluestone, wrought iron pipe. Architects taking bids due April 5th.

Residence, Bellevue avenue, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owner, Charles Doress, care of architects. Brick, 2½ stories, 24x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects ready for bids.

Bank, Brunswick and Olden streets, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Security National Bank, care of architects. Brick, 1 story, 50x60 feet, asphalt roof, tile floors, vapor heat, electric light, tile work, ornamental iron. Architects ready for bids.

Factory, Camden, N. J., \$35,000. Architect, private plans. Owner, name withheld. Brick, 1 story, 50x160 feet, Johns Mansville roof, cement floors (heating reserved), electric light, rolled steel sash. H. B. Miller, Edgewater Park, N. J., taking sub-bids.

Apartment House, Thirty-eighth and Myrtle avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, M. Lester White, care of architect. Architect taking bids due March 31st.

Factory (add.), 508 Liberty street, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Emzey Mfg. Co., on premises. Steel, wood girdles, 2 stories, 40x65 feet, slag roof, steel sash, elevator. Architect ready for bids.

Residence, 210 Stacy avenue, Trenton, N. J., \$6,500. Architect, private plans. Owners, John Ross & Son, 408 Wilkinson Building, Trenton, N. J. Concrete block, frame, 2 stories, 24x30 feet, slate roof. Permit issued.

Residence, Bryn Mawr avenue, Trenton, N. J., \$7,000. Architect, private plans. Owner, Lott P. Wilson, 916 Melrose avenue, Trenton, N. J. Frame, 2 stories, 22x32 feet, slate roof, pine floors, electric light. Permit issued.

Residences (6), 3077-79-81-83-85-87 Carman street, Camden, N. J., \$24,000. Architect, private plans. Owners, Davies Brothers, 1014 North Twenty-seventh street, Camden, N. J. Brick, 2 stories, 18x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Building, Cleveland and Lois avenue, Camden, N. J., \$3,000. Owners, H. Kohnstam & Co., Inc., on premises. Metal, 1 story, 24x80 feet, metal roof. Permit issued.

Armory (add.), Camden, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Department of Institutions and Agencies, Trenton, N. J. Low bidders: Tourison & Co., Germantown and Queen Lane, Philadelphia, \$26,683, add \$2,472, add \$3,539; J. M. Yardley, 1700 Walnut street, Philadelphia, \$27,464, add \$2,125, add \$5,004.

School (add.), Clayton, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, Borough of Clayton, N. J. Low bidders: R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$99,692; A, add \$2,000; B, add \$1,500; C, add \$4,000. Fred Lange, Audubon, N. J., \$100,462; A, add \$1,598; B, add \$1,406; C, add \$2,800. Electric, Charles S. Wright, Camden, N. J., \$3,742. Plumbing, F. Wackenhut, 2416 Frankford avenue, Philadelphia, \$5,035. Heating and ventilating, American Heating & Ventilating Co., Schaff Building, Philadelphia, \$9,710.

Paving, Lakeland, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Board of Chosen Freeholders, Camden County, S. Wood, clerk. Concrete roads and cinder extension of same, 600 cubic yards excavation, 800 square yards 10-foot concrete pavement, 1,377 lineal feet 14-foot concrete cement integral with pavement, 1,013 square yards cinder drive, 16 feet wide. Certified check, 10 per cent. Owners taking bids due April 6th, 1.30 P. M. Concrete retaining wall each side Lakeland Brook, 4 feet high, 2 feet wide at base, 1 foot wide at top, approximately 450 feet. Owners taking bids due April 6th, 1.15 P. M.

Bridge over Overbrook Terrace, Collingswood, N. J. Chief engineer, E. B. Temple, 607 Pennsylvania Railroad Building, Broad Street Station, Phila. Owner, Atlantic Div., Pennsylvania Railroad, Broad Street Station, Philadelphia. Concrete and structural steel. Owners taking bids due April 1st.

Pump Plant and Artesian Well, Paulsboro, N. J., \$45,000. Owners, Paulsboro Council, Mayor J. Vannan, Paulsboro, N. J. Work contemplated.

Concrete Curbs, Gutters, Storm Sewer, etc., Bellmawr, N. J. Engineer, L. Croxton, Bellmawr, N. J. Owners, Council of Bellmawr, H. J. Phillips, Bellmawr, N. J. Certified check, 5 per cent. Owners taking bids due March 31st, 8.30 P. M.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 7, Sec. 5a and 6a, Freehold to Manalapan, Monmouth County. Excavation, double line reinforced concrete pavement, macadam shoulders.

Route 7, Sec. 7a, Hightstown to Manalapan, Mercer, Middlesex and Monmouth Counties. Excavation, double line reinforced concrete pavement, macadam shoulders. Deposit, \$10.

Certified check, 10 per cent. Owners taking bids due April 4th at noon.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad Street Bank Bldg., Trenton, N. J. Route 16, Section 10, Harlingen to Blomers Corner, Somerset County. Excavation, cinder sub-base, double line reinforced concrete pavement; (1) 20-foot span bridge, (1) 8-foot cattle pass. Route 17, Section 1, Paulsboro Causeway, Gloucester Co., fill and macadam roadway surface. Owners taking bids due April 11th at noon. Deposit \$10.00. Certified check, 10%.

New Jersey Contracts Awarded

Residences (2), Garage (1), 3283-85 Pelham Place, Camden, N. J. Architect, private plans. Owner, Geo. De Neve, Camden, N. J. Frame, 2 stories, 16x45 feet, slag roof, hot water heat, electric light, pine and cement floors. Contract awarded to Frank De Neve, West Merchantville, N. J.

School, Woodlynne, N. J. \$26,769. Architect, A. B. Gill 328 Market St., Camden, N. J. Owners, Woodlynne School Board, A. Cox, Sec. Woodlynne, N. J. Brick, steel, 2 stories, 38x72 feet, slag roof, maple floors, safety treads, roof ventilators. Contract awarded to Carl E. Widell, Woodlynne, N. J., who desires sub-bids.

Building, Newton avenue and Starr avenue, Camden, N. J., \$21,000. Owners, Public Service Railway Co., Camden, N. J. Block, 1 story, 53x351 feet, Contract awarded to Bennett-McLaughlin Co., 3434 Sansom street, Philadelphia.

Store and Apartment, Stockton and Hanover streets, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, R. Barlow, care of architects. Brick, 3 stories, 68x38 feet, slag roof, pine floors, steam heat, electric light, tile work. Contract awarded to Rybal & Curny, 718 Ohio avenue, Trenton, N. J.

Residence, 921 Hillerest avenue, Trenton, N. J., \$11,000. Architect, private plans. Owner, Anna M. Goeller, 336 Genesee street, Trenton, N. J. Brick, 2½ stories, 26x42 feet, slate roof, hardwood floors, hot water heat, electric light. Contract awarded to Frank Friedel, 321 Genesee street, Trenton, N. J.

Residence, Trenton, N. J., \$7,000. Architect, private plans. Owner, George E. Laub, 634 West State street, Trenton, N. J. Cinder block and stucco, 2 stories, 26x36 feet, slate roof, pine floors. Contract awarded to J. Ross & Son, 408 Wilkinson Building, Trenton, N. J.

Residence, Greenwood avenue, Trenton, N. J., \$7,000. Architect, private plans. Owner, Catherine Lee, Hamilton avenue, Trenton, N. J. Brick, frame, 2½ stories, 24x35 feet, slate roof, hemlock floors, hot water heat, electric light. Contract awarded to Howard Hartman, Mercerville, N. J.

Residences (2), 935-37 Howe street, Camden, N. J., \$10,000. Owner, John Wyczkowski, 1587 South Tenth street, Camden, N. J. Brick, 2 stories, 14x50 feet, slag roof, hot water heat, electric work. Contract awarded to Anthony Kineler, 1527 Norris street, Camden.

Building (add.), 422 Kaighn avenue, Camden, N. J., \$6,000. Owners, A. Feldman & Sons, on premises. Block, 2 stories, 20x38 feet, slag roof. Contract awarded to Harvey F. Cass, Merchantville, N. J.

Warehouse, Haddon avenue and Line street, Camden, N. J., \$6,000. Owners, Fleck Brothers Co., Boarder and Haddon avenues, Camden, N. J. Block, 1 story, 31x150 feet, slag roof. Contract awarded to R. L. Barber, Audubon, N. J.

Residences (5), 1041-43-45-47-49 Beideman avenue, Camden, N. J. Owners, Benjamin Pogust and James Jones, 306 North Forty-first street, Camden, N. J. Brick and block, 2 stories, 18x32 feet, slag roof, hot water heat. Contract awarded to Henry F. Bowman, National Park, N. J.

Miscellaneous Construction News

Store Building, Wilmington, Del. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, W. T. Grant Co., 455 Seventh avenue, New York City. Brick, steel, 2 stories and basement, 48x117 feet, slag roof, maple and cement floors, steam heat, electric light, metal lath. Architects taking bids due April 8th.

Miscellaneous Contracts Awarded

Building (alts. and add.), South side Fifty-ninth, between Third and Lexington avenue, New York. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Monterey Holding Corporation, care of architects. Brick, concrete, steel, 3 stories and basement, 80x224 feet, steam heat, electric light, slag roof, cement floors, elevators. Contract awarded Kidensky & Levy, 424 Madison avenue, New York.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., March 15, 1927. Sealed bids in duplicate will be received until 3 P. M., April 19, 1927, and then publicly opened, for furnishing all labor and materials and performing all work for the construction of the United States Post Office at McKees Rocks, Pa. Drawings and specifications may be obtained from the Custodian of the Site at McKees Rocks, Pa., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., March 23, 1927. Sealed bids will be opened in this office at 2 P. M., April 13, 1927, for construction of new floor over light-well, etc., in mezzanine of United States Custom House and Post Office, Allentown, Pa. Drawings and specifications may be obtained from the Custodian of the building, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

BUILDING OPERATIONS IN FEBRUARY SHOW GAIN OVER JANUARY

The volume of building operations in Pennsylvania during February, 1927, showed an increase of 20.6 per cent. over January, according to reports received at the Department of Labor and Industry from building inspection offices in 36 cities and boroughs. Compared to February, 1926, however, the reports for 36 cities and boroughs show a decrease in building operations of 10.3 per cent. The number of permits granted in the 36 cities and boroughs during February, 1927, totaled 2,799 and covered building

NEW BUILDINGS, ADDITIONS, ALTERATIONS AND REPAIRS IN PENNSYLVANIA FOR THE MONTH OF FEBRUARY

City or Borough	1927				1926			
	New Buildings		Additions, Alterations, Repairs, Etc.		New Buildings		Additions, Alterations, Repairs, Etc.	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost	No. of Bldgs.	Estimated Cost	No. of Bldgs.	Estimated Cost
Allentown	52	\$ 668,400	12	\$ 15,600	17	\$ 70,800	7	\$ 13,000
Altoona	13	55,885	39	39,000	12	99,275	28	11,061
Ambridge Borough	4	19,300	2	1,300	4	23,700	2	7,000
Berwick Borough	4	25,600	..	.....	1	3,500	4	13,300
Bethlehem	10	109,750	13	13,770	17	73,000	7	17,700
Bradford	9	23,950	3	7,300	6	10,670	3	1,050
Bristol Borough	2	50,300	5	2,120	..	.....	1	100
Carlisle Borough	4	5,450	5	3,650	4	24,150	2	5,600
Clairton	4	23,000	6	2,650	2	26,000	4	1,675
Coatesville	3	7,000	3	22,500	2	1,500	1	50
Donora Borough	2	27,000	1	1,500	1	6,000	..	.....
Duquesne	4	27,625	18	7,751	3	8,075	11	9,620
Easton	4	89,707	5	16,950	2	3,500	10	31,275
Erie	44	121,629	54	56,620	36	110,850	23	24,840
Harrisburg	23	24,525	29	71,975	21	280,200	22	44,990
Hazleton	1	614	3	5,151	3	16,175	1	1,100
Lancaster	18	79,550	13	11,060	14	227,300	10	10,340
McKees Rocks Borough	7	47,500	..	.....	1	5,000	..	.....
Meadville	5	160,900	5	5,975	4	15,850	..	.....
Monessen	3	150,560	1	400	1	2,700	3	4,800
New Castle	38	99,290	14	6,150	12	28,220	7	1,425
Oil City	5	6,280	10	5,535	4	1,125	12	4,900
Philadelphia	855	6,192,075	660	960,855	588	8,132,195	493	976,050
Pittsburgh	244*	1,756,889	137*	275,308	242*	2,004,173	115*	185,035
Pottsville	4	21,500	5	4,755	2	1,600	..	.....
Reading	26	82,650	91	71,700	10	856,100	81	75,975
Scranton	23	196,375	36	69,485	20	79,600	22	25,000
Shamokin Borough	2	10,100	14	10,590	1	15,000	4	15,600
Sunbury .....	..	.....	6	5,680	1	775	2	2,120
Uniontown	15	43,200	2	2,900	3	5,360	..	.....
Warren Borough	6	27,500	4	26,850	2	9,800	8	7,700
Washington	7	17,400	3	7,500	8	9,340	..	.....
Wilkes-Barre	19	193,407	54	41,211	6	78,950	21	83,405
Wilkesburg Borough	21	211,850	5	7,950	20	104,550	1	4,200
Williamsport	17	154,400	14	19,350	8	4,450	8	6,800
York	6	8,925	23	117,465	28	76,375	13	6,995
Total	1,504	\$10,646,086	1,295	\$1,918,556	1,106	\$12,415,858	926	\$1,592,706

*Number of permits—buildings not given

operations estimated to cost \$12,564,642. Of this total \$10,646,086, or nearly 85 per cent., is to be expended for the construction of new buildings and the remaining 15 per cent., or \$1,918,556, is to be used for additions, alterations, or repairs to buildings.

The reports of 25 of the 36 cities and boroughs for which comparable records are available, show increased volume of building over February of last year. These localities and their respective amounts of gain over February, 1926, are the following: Allentown, \$590,200; Berwick, \$8,800; Bethlehem, \$32,820; Bradford, \$19,530; Bristol, \$52,320; Coatesville, \$27,950; Donora, \$22,500; Duquesne, \$17,681; Easton, \$71,882; Harrisburg, \$42,559; McKees Rocks, \$47,000; Meadville, \$151,025; Monessen, \$143,460; New Castle, \$75,795; Oil City, \$5,790; Potts-

ville, \$24,655; Scranton, \$161,260; Sunbury, \$2,785; Uniontown, \$40,740; Warren, \$36,850; Washington, \$15,560; Wilkes-Barre, \$72,263; Wilkesburg, \$111,050; Williamsport, \$162,500, and York, \$43,020.

Among the eleven places showing losses in building over February, 1926, are included six large cities of the State. These six cities and their per cent. of loss are: Altoona, 17.6 per cent.; Harrisburg, 70.3 per cent.; Lancaster, 61.9 per cent.; Philadelphia, 22.5 per cent.; Pittsburgh, 7.2 per cent., and Reading, 4.2 per cent. The loss in Philadelphia, amounting to more than \$2,000,000, may be partly attributed to high totals in February, 1926, due to the issuance of permits for Sesquicentennial buildings and for two high school buildings. A permit for the construction of a \$750,000 office building

was granted in Reading during February, 1926, which accounts for the greatly reduced total in Reading this year.

The types of buildings to be constructed under the February permits were reported by 29 cities. These compared to February last year show an increase of 62 per cent. in the number of permits issued for the construction of single-family dwellings. Apartment house construction continues at about the same rate as last year. For the non-residential building groups—factories, private garages, and public buildings are well ahead of last year, while amusement and recreational places are distinctly fewer. Permits for additions or alterations to residential buildings are more than double the total of February, 1926, and it seems that work of this character will be an important portion of building operations in 1927.

ESTIMATED VALUE OF BUILDING PERMITS ISSUED IN CITIES
AND BOROUGHs IN PENNSYLVANIA DURING THE
MONTH OF FEBRUARY

City or Borough	Number of Buildings	1927		Number of Buildings	1926	
		Estimated Cost			Estimated Cost	
Allentown	64	\$ 684,000		24	\$ 83,800	
Altoona	52	90,885		40	110,336	
Ambridge Borough	6	20,600		6	30,700	
Berwick Borough	4	25,600		5	16,800	
Bethlehem	23	123,520		24	90,700	
Bradford	12	31,250		9	11,720	
Bristol Borough	7	52,420		1	100	
Butler*	9	9,100		3	17,200	
Carlisle Borough	9	25,650		6	29,750	
Chester*	10	29,500		47	1,225,600	
Clairton	6	28,500		6	27,675	
Coatesville	3	35,376		3	1,550	
Connellsville*	22	106,657		10	15,600	
Donora Borough	98	178,249		1	6,000	
Duquesne	52	96,500		14	17,695	
Easton	4	5,765		12	34,775	
Erie	4	4,800		59	135,690	
Harrisburg	32	66,140		43	325,190	
Hazleton	6	90,610		4	17,275	
Homestead Borough*	31	47,500		3	22,000	
Jeannette Borough*	7	166,875		..	..	
Johnstown*	10	150,960		24	237,640	
Lancaster	4	105,440		20	163,150	
McKeesport*	52	11,815		1	5,000	
McKees Rocks Borough	15	7,062,930		4	15,850	
Meadville	9	2,032,197		4	7,500	
Monessen	117	154,350		19	29,645	
New Castle	59	265,860		16	108,700	
New Kensington Borough*	16	20,690		16	6,025	
Oil City	6	5,680		16	9,108,245	
Philadelphia	17	46,100		357**	2,189,208	
Pittsburgh	10	54,350		2	1,600	
Pottsville	10	24,900		91	932,075	
Reading	73	234,618		42	104,600	
Scranton	26	219,800		5	30,600	
Shamokin Borough	31	173,750		3	2,895	
Sunbury	29	126,390		3	5,360	
Uniontown	..	..		10	17,500	
Warren Borough	..	..		8	9,340	
Washington	..	..		27	162,355	
Wilkes-Barre	..	..		21	108,750	
Wilkinsburg Borough	..	..		16	11,250	
Williamsport	..	..		41	83,370	
York	..	..		..	..	
Total	2,837	\$12,635,582		2,131	\$15,560,814	
Comparative Total	2,799	\$12,564,642		2,032	\$14,008,564	

ESTIMATED VALUE OF BUILDING PERMITS ISSUED IN PENN-
SYLVANIA, JANUARY AND FEBRUARY

City or Borough	Number of Buildings	1927		Number of Buildings	1926	
		Estimated Cost			Estimated Cost	
Allentown	104	\$ 1,208,675		76	\$ 235,250	
Altoona	89	130,020		65	188,926	
Ambridge Borough	11	92,100		10	62,900	
Berwick Borough	9	28,800		7	20,300	
Bethlehem	38	203,670		44	129,200	
Bradford	18	55,150		18	26,920	
Bristol Borough	11	53,420		12	2,900	
Carlisle Borough	27	93,097		25	70,985	
Clairton	20	30,475		15	47,540	
Coatesville	8	32,500		4	6,050	
Donora Borough	3	28,500		1	6,000	
Duquesne	31	41,526		24	41,016	
Easton	20	163,162		24	32,915	
Erie	165	414,884		121	256,705	
Harrisburg	90	169,045		84	463,265	
Hazleton	4	5,765		9	67,683	
Lancaster	66	292,445		53	271,647	
McKees Rocks Borough	7	47,500		3	21,000	
Meadville	16	212,125		8	20,425	
Monessen	4	150,960		6	39,500	
New Castle	75	179,960		40	86,965	
Oil City	26	47,015		27	21,525	
Philadelphia	2,233	10,317,195		2,289	16,699,000	
Pittsburgh	724*	5,400,400		724*	6,011,913	
Pottsville	15	699,555		6	10,000	
Reading	217	347,525		200	1,060,675	
Scranton	107	1,011,347		75	231,650	
Shamokin Borough	31	53,415		12	41,925	
Sunbury	7	6,380		5	21,970	
Uniontown	32	128,740		8	34,250	
Warren Borough	14	57,310		24	60,320	
Washington	16	49,425		17	30,560	
Wilkes-Barre	123	312,343		63	234,533	
Wilkinsburg Borough	46	402,100		39	226,750	
Williamsport	70	263,697		31	21,987	
York	53	265,135		60	120,975	
Total	4,530	\$22,995,361		4,229	\$26,976,125	

*Not included in comparative total.
**Includes figures for Garrick Borough.

*Number of permits—buildings not given.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BRICK (Face, Common, Paving)

Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE

Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. H.,Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. H.,Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.

Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GARAGE HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co....Westmont, N. J.

GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.

Smith-Austermuhl Co.Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph,South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.,Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. ...20th & Venango Sts., Phila.

Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co.,Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co.,Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F., Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

WALL BOARD. COMPO BOARD

H. C. L. Miller1101 N. Front St., Phila.

WALLBOARD (Sheetrock)

Ketcham, Howard, 3rd and Girard Ave., Phila.

Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co.,1126 So. 11th St., Phila.

Truscon Laboratories1505 Race St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Car Skidded

And then someone discovered that his broken window or smashed fence was his dearest possession and put in a bill of damages to prove it.

And the automobile owner paid—because his insurance didn't cover damage to the property of others.

Your agent can get you automobile policies covering property damage, collision, public liability, fire and theft. How well are you insured?

**Insurance Company of
North America**
PHILADELPHIA

and the
Indemnity Insurance Company of North America
write practically every form of Insurance, except life

**"ANTI-HYDRO" Made the Leaky Walls and
Pits in this Post office
Waterproof!**



The concrete pits and the walls of the pipe tunnels in this post office leaked badly. A cement plaster coat mixed with "ANTI-HYDRO" was applied to the *inside* of the walls and pits. Now they are absolutely and permanently waterproof. There is not a single concrete waterproofing or hardening problem that cannot be successfully overcome by the use of "ANTI-HYDRO." It is an easy-to-use liquid integral compound that mixes readily with the gauging water without the aid of skilled labor. Results are guaranteed permanent. Use "ANTI-HYDRO" on your next job. For over 23 years it has been specified by leading architects, engineers and contractors.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By
VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 14
April 6, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED DETAILED
FABRICATED ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

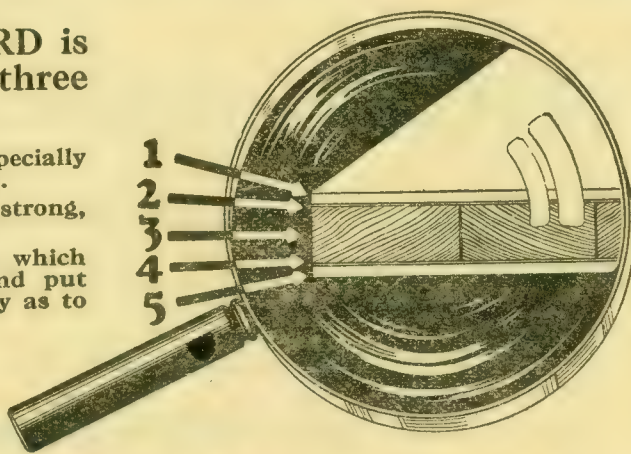
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Never Could

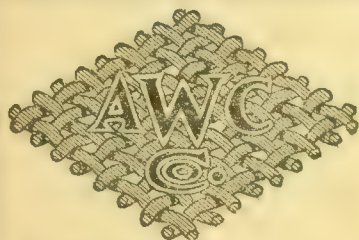
understand why it is necessary in
Philadelphia to have our buildings
designed and engineered by so-called
out of town experts, except that some
owners are incapable of judging our
splendid home talent. This also
happens to electrical work.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.
JOHN F. DAKIN
Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

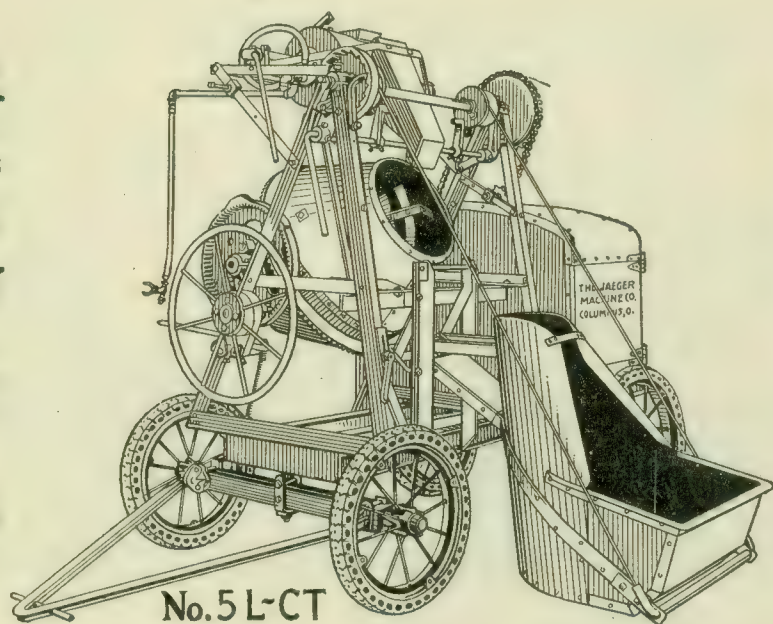
**FABRICATED STEEL
IRON BARS**

RICHARD DeCOU CO.
Steel Warehouse

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
SS
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

EXPANDED METAL LATH

KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**

**UNION METAL COLUMNS**

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH**

**SHEETROCK
WALL BOARD**

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

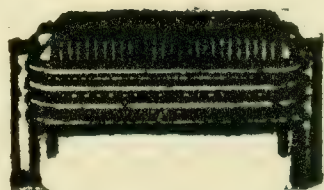
1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Go to **HENRY M. MILLER**

50 North 2nd Street

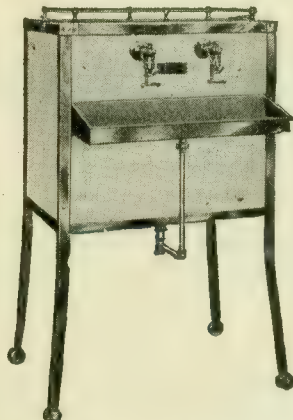


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.



WILL NOT INTERFERE WITH YOUR CONCRETE
JOBS, PROVIDED YOU USE

CONWATCO MIX

Portland Cement alone hydrates at 30°
But with CONWATCO MIX it hydrates at 12°!

CONCRETE WATERPROOF PAINT CO.

Makers and Appliers of Waterproofings and Dampproofings

Since 1911

829-35 N. 3rd St., Phila., Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 14

PHILADELPHIA
April 6, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

General Theatre, Southwest Corner Sixty-ninth and Elmwood avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Green & Altman, Heyman Building, Philadelphia. Brick, steel, concrete, 1 story, seating capacity 2,000. Preliminary plans in progress.

Auto Supply Station, West side Sixty-third street, North of Arch street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Pep Auto Supply Co. Brick, cut stone, granite, steel, 1 story. Plans in progress. Ready for bids in two weeks.

Sales and Service Station, 1513-15 North Broad street, to 1518-22 North Park avenue, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Joseph and R. H. Greenburg, Morris Building, Philadelphia. Reinforced concrete, 5 stories, 69x239 feet, 240 feet, irregular. Plans in progress.

Residence and Garage, Carpenter lane and Lincoln Drive, Philadelphia, \$25,000. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owner, name withheld. 2½ stories, garage, 2 cars. Preliminary plans in progress. Too early for details.

Synagogue, Ritner and Marshall streets, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owners, Beth Samuel Synagogue, care of architect. Brick, 1 story and balcony, 31x48

feet. Plans in progress. Ready for bids in a week.

Store and Residence, Northeast Corner Seventh and Pine streets, Philadelphia. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owner, Nathan Brenner, Southeast Corner Seventh and Pine streets, Philadelphia. Brick, 3 stories, 21x40 feet, slag roof, hardwood floors, vapor heat, tile and marble work, plate glass, demolition of building on site. Plans in progress. Owner will be ready for general bids in two weeks.

Hospital (add.), Broad and Fitzwater streets, Philadelphia. Architect, Emil G. Perrot, 1211 Chestnut street, Philadelphia. Owners, Women's Southern Homeopathic Hospital, on premises. Plans about completed. Ready for bids in a few days.

Residence, 1124 South Tenth street, Philadelphia, \$6,000. Architects, Durham Brothers, 34 South Seventeenth street, Philadelphia. Owner, John Mami, 929 Ellsworth street, Philadelphia. Brick, 3 stories, slag roof, hot water heat, tile work (2 baths), electric light. Owner will build and is taking sub-bids.

Building, Sixth and Duncannon streets, Philadelphia. Architect, private plans. Owners, U. G. I. Contracting Co., Broad and Arch streets, Philadelphia. Reinforced concrete, slag roof. Plans in progress. Owners will build and will be ready for bids in two months.

Kenton Theatre, Kensington avenue and Cumberland street, Philadelphia. Architects,

Hoffman-Henon, Finance Building, Philadelphia. Lessees, Stanley Co., 1916 Race street, Philadelphia. Owners, Mercantile & Store Co., Inc., care of architect. Seating capacity, 2,000. Architects will be ready for sub-bids in a few days.

Building, 1033-35 West Girard avenue, Philadelphia. Architect, Conrad F. Neff, Twelfth and Locust streets, Philadelphia. Owners, Girard Avenue Business Men's Association, H. L. Martin, Ninth and Thompson streets. Brick, hollow concrete blocks, 3 stories and basement, 75x38 feet, slag and tin roof, composition, maple and pine floors, electric light, metal lath, rolled steel sash and skylights, bond, ornamental iron work, east stone. Architect taking bids due April 8th.

Mill, Rubican and Collom streets, Philadelphia. Architect, R. M. Dippy, Medical Arts Building, Philadelphia. Owners, Paragon Knitting Mills, N. Weisman, 3915 Powelton avenue, Philadelphia. Brick, steel, 2 stories and basement, 170x50 feet, slag roof, pine floors. Architect taking bids due April 11th noon.

Residence, Elbow lane, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Wilson B. Yerger, care of architect. Stone, 2½ stories and basement, 38x115 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Architect taking bids due April 8th at noon.

Rectory, Tioga and Howard streets, Phila-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS
Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

delphia. Architects, Henry D. Dagit & Son, 1329 Race street, Philadelphia. Owners, St. Hugh's Roman Catholic Church, Rev. Hugh J. Dale, 144 East Allegheny avenue. Stone, steel, 3 stories and basement, 36x59 feet, slag roof, oak, pine and cement floors, plumbing, steam heat, electric light, metal lath, tile work, ornamental iron work. Architects taking bids due April 12th at noon.

Church, Margaret and Melrose streets, Philadelphia. Architect, Horace Castor, Stephen Girard Building, Philadelphia. Owners, St. Valentine's Polish Church, on premises. Brick, 1 and 2 stories, 50x110 feet, slate roof, pine floors. Architect taking bids due April 13th.

Garage and Shop, Northeast Corner Tioga and Randolph streets, Philadelphia. Architect, John E. Sindoni, Norwood and McKean streets, Philadelphia. Owner, Frank Garofola, 517 West Tioga street, Philadelphia. Brick, steel, 1 story, 110x18 feet, 21x47 feet, slag roof, cement floors, rolled steel sash. Owner taking bids due as soon as possible.

Settlement and Day Nursery Building (alts. and add.), 224 South Third street, Philadelphia. Architects, Property Department, Brigadier V. R. Post, 120-30 West Fourteenth street, New York. Owners, Salvation Army, W. Bramwell Booth, 120-30 West Fourteenth street, New York. Brick work, concrete work, plastering, metal lath, tile, marble work, steel work, carpentry and mill work, painting, steam heat, electric work, magnesite floors, solarium work, hardware, steel stairs, Barrett specification roof, waterproofing, skylights, maple and pine floors, kalamein sash and windows and doors. Owners taking bids due April 15th.

Building, 821 North Thirteenth street, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owners, Progress Paper Box Co., on premises. Structural steel, third floor addition. Architect taking bids due April 9th.

Factory and Warehouse, 1008-18 Orkney street, Philadelphia. Architect, Martin T. Glass, 3710 Market street, Philadelphia. Owner, Samuel Zeitlin, care of architect. Brick, steel, 2 stories and basement, 36x48 feet, slag roof, pine floors. Architect taking bids due as soon as possible.

Residences (11), East side Akron street, South of Cheltenham avenue, Philadelphia, \$56,000. Architect, private plans. Owner, C. Kietz, 3118 Midvale street, Philadelphia. Brick, 2 stories, 15x28 feet 6 inches, 12x12 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), North side Longshore street, East of Oakley street, Philadelphia, \$10,000. Architect, private plans. Owner, F. A. Cidaer, Fanshawe street, East of J street, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garages, South side Tusculum street, East of A street, Philadelphia, \$2,000. Architect, private plans. Owner, Frank Oelschlegel, 2914 North Fairhill street, Philadelphia. Iron on iron, 1 story, 160x16 feet. Permit issued.

Residences (68), North side Cheltenham avenue, East of Colgate street, \$232,000. Architect, private plans. Owner, C. A. Boardman, 1524 Chestnut street, Philadelphia. Brick, 2 stories, 16x25 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (12), South side Kenwyn street, East of Castor road, Philadelphia, \$78,000. Architect, private plan. Owner, J. D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 18x46 feet, 14x8 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (8), East side Thompson street, North of Venango street, Philadelphia, \$28,000. Architect, private plan. Owner, Dr. J. T. Wiza, 4482 Edgemont street, Philadelphia. Brick, 2 stories, 16x47 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage (add. and alts.), 5115-17-19 Chancellor street, Philadelphia, \$10,000. Architect, private plans. Owner, T. L. Krewson, 5118 Walnut street, Philadelphia. Brick, second story add., 57x76 feet 8 inches, general alterations. Permit issued.

Residences (54), South side Sangor street, East of Torresdale avenue, Philadelphia, \$192,000. Architect, private plans. Owner, Burton C. Simon, Twentieth and Passyunk avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (20), West side D street, North of Ruscomb street, Philadelphia, \$91,500. Architect, private plans. Owner, John W. Shisler, 400 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 16x27 feet, 12x14 feet, slag roof, pine and hardwood floors, hot water heat, electric light. Permit issued.

Garage, 860-62 North Fortieth street, Philadelphia, \$23,000. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Stanley Const. Co., on premises. Brick, 2 stories, 50x104 feet, slag roof, cement floors, steam heat, electric light. Permit issued.

Residence, North side Flamingo street, West of Fowler street, Philadelphia, \$5,000. Architect, private plans. Owners, G. L. and J. K. Callahan, 542 East Fairthorne street, Philadelphia. Frame, 2 stories, 46 feet 6 inches x 31 feet 6 inches, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, 2648 Buckius street, Philadelphia, \$4,500. Architect, private plans. Owner, S. D. Stackowski, 2344 Orthodox street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (14), East side Horrocks street, South of Cheltenham avenue, Philadelphia, \$57,000. Architect, private plans. Owners, Smith, McGowan & Donnelly, on premises. Brick, 2 stories, 15x28 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), South side Cottman street, East of Claridge street, \$10,000. Architect, private plans. Owner, H. W. Schaubel, 7331 Claridge street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Manufacturing Building, 212-14 South Ninth street, Philadelphia, \$40,000. Architect, private plans. Owner, Benjamin Linker, 204 South Seventh street, Philadelphia. Brick, 4 stories, 47 feet 6 inches x 86 feet, steam heat, electric light. Permit issued.

Residences (8), 5401-15 Saul street, Philadelphia, \$32,000. Architect, private plans. Owner, Wilfred Robinson, Arrott and Oakland streets, Philadelphia. Brick, 2 stories,

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

19 feet 4 inches x 27 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Northeast Corner Meadowbrook and Whitmarsh road, Philadelphia, \$12,000. Architect, private plans. Owner, George W. Carson, McCallum and Wellesley streets, Philadelphia. Stone, 3 stories, 28x37 feet, 20x18 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Bungalow, East side Erwig avenue, West of Eighty-ninth street, Philadelphia, \$3,500. Owner, Robert R. Hewitt, 3217 South Eighty-seventh street, Philadelphia. Brick, 1 story, 20x30 feet, pipeless heat. Permit issued.

Residences (29), North side Bleigh street, East of Castor road, \$116,000. Architect, private plans. Owner, Henry Friedman, 4834 Mervine street, Philadelphia. Brick, 2 stories, 16x14 feet, 19x27 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (81), Whittaker, Wyoming and Tampa streets, Philadelphia, \$328,000. Architect, private plans. Owners, Korman, Dintenfuss & Korman, 1718 George's lane, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (29), Rorer street, South of Rockland, Philadelphia, \$177,500. Architect, private plans. Owner, John Tucker, 4743 North Eighth street, Philadelphia. Brick, 2 stories, 15x28 feet 6 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (28), South side Passyunk avenue, West of Seventy-third street, \$112,000. Architect, private plans. Owner, Julius Berman, 5924 Market street, Philadelphia. Brick, 2 stories, 18x32 feet, slag roof, hardwood and pine floors, hot waer heat, electric light. Permit issued.

Residences (2), 5507-09 North Third street, Philadelphia, \$14,000. Architect, private plans. Owner, W. H. Waters, 5417 North Fifth street, Philadelphia. Brick, 2 stories, 16x40 feet, 12x18 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, South side Granite street, East of Tulip street, Philadelphia, \$2,500. Architect, private plans. Owner, Edward Buchholz, 5111 Edmund street, Philadelphia. Brick, 1 story, 34x80 feet, slag roof, cement floors. Permit issued.

Miscellaneous Work, East River Drive work, Philadelphia, \$2,000,000. Owners, City Property and Service Committee, City Hall, Philadelphia. Grading, paving, viaduct, reinforced concrete, stone. Work contemplated.

Pennsylvania Railroad Work. Purchasing agent, C. E. Walsh, Seventeenth and Filbert

streets, Philadelphia. Owners taking bids due April 13th. Contract No 42, scale and platform bridges, steel superstructure for bridges. No. 43, frogs, switches and crossings.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall, Philadelphia. Owners taking bids due April 7th at noon. Certified check, 5 per cent. No. 843, motor-driven pumps, Belmont High Service Station. No. 861, steel sash and doors, Torresdale Pumping Station and others. No. 869, engine room floor, Shawmont Pumping Station. No. 873, furnish and deliver switchboard, Chestnut Hill Pumping Station. No. 874, demolition of building and chimney, George's Hill Pumping Station. No. 875, boiler baffles, Lardner Point Pumping Station.

Paving, Broad street, Cumberland to Indiana avenue, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidder: Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$98,775.

Miscellaneous Sewer Work, Philadelphia. Low bidders. Owners Department of Public Works, Bureau of Engineering, 216 City Hall. Twentieth street, Twenty-third to Seventy-fourth avenue, etc., Edward F. Bennis, Washington lane and Chew street, Philadelphia, \$24,939. Shelmire, Oakmont, Maple streets, Frankford, etc., J. Joseph McHugh, 1617 Race street, Philadelphia, \$68,034.29. Princeton street, Montague to Frankford avenue, F. T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia, \$7,811. Rhawn street, between Rowland avenue and Craig street, F. T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia, \$3,404. Fifty-eighth, Woodbine to Overbrook, Joseph Ciccone, 5724 Westminster avenue, Philadelphia, \$19,800.40. H street, Lycoming to Hunting Park avenue, G street to I street, Fred T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia, \$17,908.50. Hobart street, Coleman to Upland street, Melvin and Lebanon, J. Joseph McHugh, 1617 Race street, Philadelphia, \$35,950.69. Memphis street, Westmoreland to Ontario, Mundy Paving & Const. Co., 226 South Warnock street, Philadelphia, \$6,184.80. Phil-Elena street, Pickering to Provident, Fred T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia, \$7,802. Cobb's Creek Park, Belmont to Stavers, J. J. McHugh, 1617 Race street, Philadelphia, \$22,856.20. Frankford avenue, Oxford, Benner, Whitaker, etc., Jafallo & Mark, Frankford avenue, East of Oxford pike, \$205,188. Frankford, Ditman, Tulip and Jackson, Brill, etc., J. Joseph McHugh, 1617 Race street, Phila-

delphia, \$45,618.51. Fifteenth street, Sixty-sixth avenue to Sixty-seventh street, A. J. Henderson, Washington lane, East of Cheltenham avenue, \$5,940. Fifty-second, Montgomery to Berks, Morse, etc., J. Joseph McHugh, 1617 Race street, Philadelphia, \$23,420.64. Castor avenue, Oxford Circle, Benner, etc., Peter De Mayo, 817 South Hutchinson street, Philadelphia, \$30,375.80. Charles, Brill to Comly, Fred T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia, \$3,010. Cheltenham, Frontenac to Summerdale, Joseph Ciccone, 5725 Westminster avenue, Philadelphia, \$3,975.42. Discher, Simer to Cheltenham, Vincent Campbellone, 3856 North Tenth street, Philadelphia, \$5,706.50. Eighteenth street, Sixty-fifth avenue, Sixty-sixth avenue, Ogontz, etc., J. Joseph McHugh, 1617 Race street, Philadelphia, \$14,518.10. Courtland, D to Whitaker, F. Jaffola, 1203 Tree street, Philadelphia, \$274,569. Anchor street, Carver, Rosali, Cheltenham, etc., J. J. McHugh, 1617 Race street, Philadelphia, \$23,122.52. Belgrade street, Orthodox to Bristol, Vincent Campbellone, 3856 North Tenth street, Philadelphia, \$4,769.50. Bleigh, Loring, Vista, Frankford and Ditman, Fred T. Buckius, Jr., Kensington avenue and Deal street, Philadelphia, \$55,696.

Contract No. 155, Broad St. Subway, Philadelphia. Owner, Department of City Transit, 1211 Chestnut St., Philadelphia. Furnish and Deliver circuit breakers, for sub-stations. Certified check 5%. Deposit \$10.00, refunded, bond. Owner taking bids due April 12th at noon.

Apartment Building, Northwest corner 47th and Walnut Streets, Philadelphia. Owner, Steinman and Lesse, 23 South 59th Street, Philadelphia. Brick, 4 stories and basement, hot water heat, oil burner, slag roof, elevators, tile and marble work. Work contemplated.

Residences (49) C and W. S. Madison, between Latrop and Parkview St., Philadelphia. Owner, H. J. Andriens, 44 Marlborough Rd., Philadelphia. Frame and stucco, cinder block, 2 stories, 16x34 feet, hot water heat, electric light, slag roof. Permit issued.

Residence, Cresfeld Avenue, Chestnut Hill, Pa. Architect, Willing Sims and Talbutt, 126 South Eighteenth St., Philadelphia. Owner, Patrick Grant, Jr., care of architect. Stone, 2½ stories. Plans in progress. Will be ready for bids in a month.

Burholme Theatre, Rising Sun Avenue, Cottman St., and Oxford Pike, Philadelphia. \$300,000. Architect, The Ballinger Co., 12th and Chestnut St., Philadelphia. Owner, Suburban Realty Co., care of Theodore

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you many times the price of a

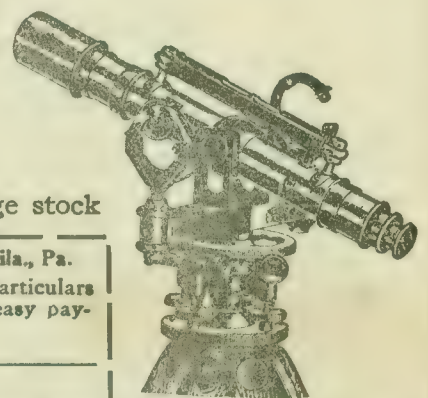
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

J. H. WEIL & COMPANY
1317 Cherry Street, Philadelphia
Established 30 years

J. H. Weil & Co., 1317 Cherry St., Phila., Pa.
Without obligation send me full particulars about the Weilco Level and your easy payment plan.
Name _____
Address _____



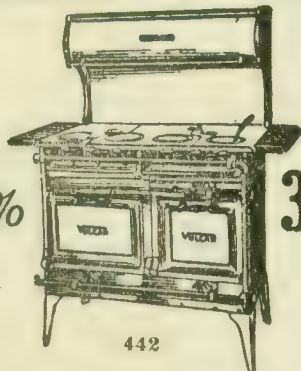
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—KACF 7624

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



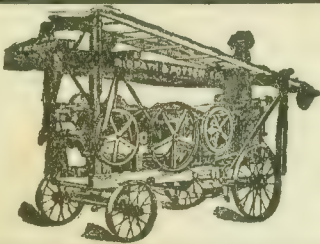
38%

38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



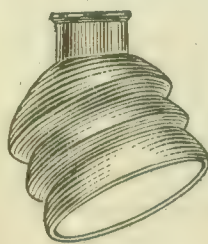
You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.

12317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Kirmse, 6500 Rising Sun Ave.: Brick, steel, concrete, 100x150 feet, seating capacity 2500. Plans in progress.

Residences (45), East side Gransback St., north of Ruscomb St., Philadelphia, \$157,500. Architect, private plans. Owners, Finestone and Mittelman, 436 E. Roakland St., Phila. Brick, 2 stories, 16x27 feet, 12x9 feet, slag

roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Cinnaminson Lane, west of Ridge Avenue, Philadelphia, \$7,500. Architect, private plans. Owner, Joseph Decker, 4241 Main St., Philadelphia. Stone, 3 stories, 23x32 feet, 25x19 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Storage Building, Southwest Corner Gaul and Tioga streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Philadelphia Wool Scouring & Carbonizing Co., Trenton and Somerset St., Phila. Reinforced concrete, brick, steel, 1 story, 302x80 feet, slag roof, cement floors, waterproofing, electric light, rolled steel sash and skylights, tin-clad doors, floor hardener, ornamental iron work, wrought iron pipe, plumbing, concrete piles, cast stone, rolling steel shutters. Contract awarded Hughes-Foulkrod Co., Schaff Building, Philadelphia.

Maternity Hospital (remodeling), Chestnut Hill, Pa. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Chestnut Hill Hospital, on premises. Brick work, elevators, plastering, painting and glazing, cement work, carpentry and mill work, hardware, composition floors (plumbing, heating, electric reserved). Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia. Plumbing and heating, J. B. Spencer, 5229 Germantown avenue, Philadelphia. Electric, Lennig Brothers Co., 827 Spring Garden street, Philadelphia. Elevator, Warsaw Elevator Co., 124 North Carlisle street, Philadelphia.

Church, Levick and Palmetto streets, Philadelphia. Architects, Bureau of Architecture, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Lawndale Methodist Episcopal Church, on premises. Stone, steel, 2 stories and basement, 81x97 feet, slate and slag roof, pine floors, electric light, ornamental iron work. Contract awarded F. H. Wilson, Oakmont, Pa.

Building, 2015 Chestnut street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, 2015 Chestnut Street Realty Co., care of architect. Brick, limestone, iron work, plastering, marble work, carpentry and mill work, tile work,

electric work, painting and glazing, hardware, steam heat. Contract awarded J. W. Emery, 34 South Sixteenth street, Philadelphia.

Germantown Central Office Building (alts. and add.), Cheltenham avenue, West of Germantown avenue, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of America, Seventeenth and Parkway, Philadelphia. Brick, cut stone, steel, 2 stories additional, 90x56 feet, wing 135x35 feet, slag roof, cement floors, hollow tile, elevators, waterproofing, ornamental iron work, electric light, metal lath, steam heat, toilet partitions. Contract awarded E. H. Keefer & Son, 1321 Rodman street, Philadelphia.

Alterations to sixteenth floor, Fox Building, Sixteenth and Market streets, Philadelphia. Architect, J. Furman, 249 West Thirty-fourth street, New York. Owners, Fox Building, on premises. Rubber floors, mackite partitions, plastering, metal lath, plumbing, electric work, marble work, hollow metal doors. Contract awarded Collins Const. Co., 1501 Arch street, Philadelphia.

Alterations, 3126 Market street, Philadelphia. Architect, I. Demchick, 1703 Chestnut street, Philadelphia. Owners, Linton Lunch Co., on premises. Carpentry and mill work, plastering, granite, hardware, resetting radiators. Contract awarded Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Parochial School (completion), 3552 Frankford avenue, Philadelphia. Architects, Gleason & Mulrooney, 250 South Broad street, Phila. Owners, St. Joan of Arc Church, Rev. J. Hawks, on premises. Completion of third floor, carpentry and mill work, electric light, heating extension. Contract awarded D. W. O'Dea, 420 Duncannon street, Philadelphia.

Mill, Venango, East of Kensington avenue, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, Craf-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

tex Mills, Inc., Kensington and Venango streets, Philadelphia. Brick, steel, 4 stories and basement, 51x49 feet (plumbing, heating, electric reserved), Barrett specification roof, maple floors, metal lath, rolled steel sash, fire doors, ornamental iron work, concrete foundations. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Stable (alts. and add.), Lincoln Drive and Johnson street, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Mrs. J. D. McIlhenny, on premises. General alterations and additions. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Philadelphia.

Store and Apartments, 215 South Forty-fifth street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x60 feet, general repairs, plate glass, metal bulks. Contract awarded C. H. Booker, 2257 North Uber street, Philadelphia.

Moving Picture Theatre (add.), Northeast Corner Second and Ontario streets, \$60,000. Architect, private plans. Owner, Jacob A. Ridgway, on premises. Brick, 1 story add., 50x130 feet. Contract awarded to George Magish, Fifth and Rockland streets, Philadelphia.

Residences (10), North side Ripley avenue, East of Large street, \$43,800. Architect, private plans. Owner, J. F. Burkart, 7933 Castor avenue, Philadelphia. Brick, 2 stories, 18x32 feet, slag roof, pine floors, electric work. Contract awarded to Charles M. Sinn, 201 East Robat street, Philadelphia.

Residence (alts.), 2117 North Fifteenth street, Philadelphia, \$6,000. Owner, Charles Gross, Land Title Building, Philadelphia. General alterations. Contract awarded to The Barnett Co., Equitable Building, Philadelphia.

Residence (alts.), 57 West Johnston street, Philadelphia, \$5,000. Architect, private plans. Owner, William P. Sorber, on premises. General alterations. Contract awarded to Sorber Const. Co., 18 Harvey street, Philadelphia.

Residence (add.), 1734 South Ninth street, Philadelphia, \$3,000. Architect, private plans. Owner, A. Lororco, on premises. Brick, 2 stories add., 13x12 feet. Contract awarded to L. Anastasi & Son, 1012-14 Mountain street.

Apartment House (alts.), 4438 Paul street, Philadelphia, \$2,700. Architect, private plans. Owner, Marion Stone, on premises. General alterations. Contract awarded to Joseph W. Bradley, 4516 Paul street, Philadelphia.

Garage, 6115-23 Algard street, Philadelphia, \$2,000. Architect, private plans. Owner, John Raker, 6114 Dittman street, Philadelphia. Brick, 1 story, 65x36 feet, slag roof, cement floors. Contract awarded to Chancellor Day, Holmesburg, Pa.

Manufacturing Building, East side Delaware avenue, South of Bigler street. Owners, Publicker Commercial Alcohol Co., Snyder and Swanson streets. Brick, 4 stories, 49 feet 6 inches x 35 feet. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Residence (add. and alts.), 7913-15 Frankford avenue, Philadelphia, \$3,600. Architect, private plans. Owner, John H. Dawson, 7900 Frankford avenue, Philadelphia. Brick, 1 story add., 36x4 feet, general alterations. Contract awarded to William G. Buckley, Willow Grove, Pa.

Storage Shed (add.), East side Fifth street,

North of Luzerne street, \$3,000. Architect, private plans. Owners, Valvoline Oil Co., on premises. Brick, 1 story add., 52x21 feet. Contract awarded to William C. Wright & Son, 22 Harvey street, Philadelphia.

Garage, 26 Summit street, Philadelphia, \$2,000. Architect, private plans. Owner, Clifford Pemberton, on premises. Brick, 1 story, 19x20 feet, slag roof, cement floors. Contract awarded to Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Store and Residence (add.), 347 North Sixth street, Philadelphia, \$6,000. Architect, private plans. Owner, Mrs. Aernoft, on premises. Brick, 2 stories add., 16 feet 6 inches x 25 feet. Contract awarded to Harry Ring, Sixth and Callowhill streets, Philadelphia.

Warehouse (add.), South side Huntingdon street, West of Emerald street, Philadelphia, \$25,000. Architect, private plans. Owners, W. H. & A. E. Margerison, Jasper and Huntingdon streets, Philadelphia. Brick and steel, 3 stories and basement add., 49x70 feet, slag roof. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

Storage Building, 507-09 North Ninth street, Philadelphia, \$10,000. Architect, private plans. Owner, F. M. O'Brien, 2116 Poplar street, Philadelphia. Brick, third story add., 34x51 feet. Contract awarded to John J. Gaffney, 5534 North Third street, Philadelphia.

Residences (2), North side Hoffnagle street, West of Ridgway street, \$4,500 each. Architect, private plans. Owner, J. A. Bacher, 7862 Oxford street, Philadelphia. Brick, 2 stories, 16x35 feet 3 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to H. W. Myers, 638 Solly street, Philadelphia.

Storage Building, East side Casper street, South of Venango street, \$25,000. Owners, U. G. I. Co., 1401 Arch street, Philadelphia. Contract awarded to J. H. Terry & Co., Drexel Building, Philadelphia.

Residence, Garage and Storage Building, North side Lycoming street, East of K street, Philadelphia, \$14,000 total. Owner, A. Zimmerman, 4401 Rising Sun avenue, Philadelphia. Brick, stone, 2 stories, 16x56 feet, slag roof, hardwood and pine floors, hot water heat, garage, brick, 1 story, 35x12 feet, 35x16 feet. Contract awarded to William Schmidt, 4957 North Fairhill street, Philadelphia.

Apartment House (alts.), 1312 North Front street, Philadelphia, \$4,000. Owner, M. A. Meloney, 1021 South Sixtieth street, Philadelphia. General alterations. Contract awarded to A. A. McIntyre, 105 North Gross street, Philadelphia.

Pump House and Boiler House, Penrose ave-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ben
19 W

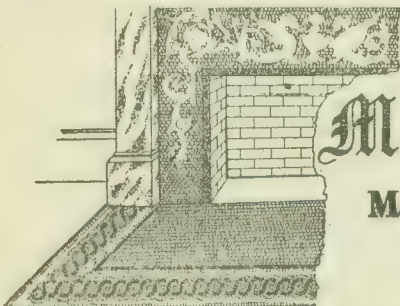
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

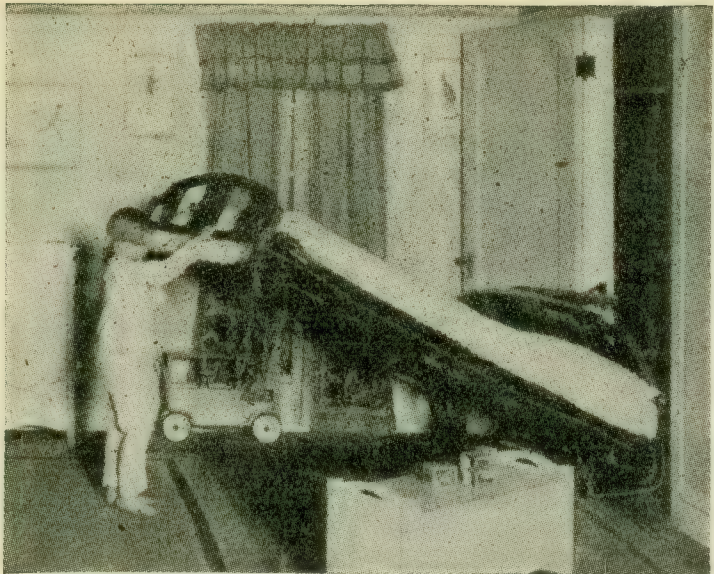
STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

EDS

nes
ngs

all at our
n kitchen
boards as
eds

CO.
Building
4th Street
York
BED



A child can operate the bed

portable, Convenient
here represented sell
Specified Materials or
of their co-operation.



NETEX

faces

rs are beginning to show,
Truscon STONETEX.

l the concrete is spalling
opped by the application

it prevent moisture
o covers the surface
flat. It does not
masonry.



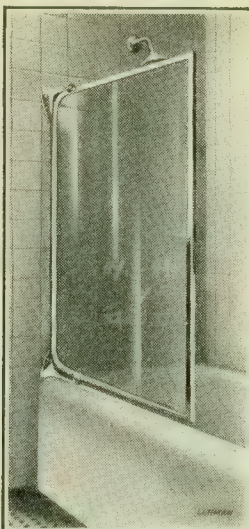
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

**AMERICAN
ALL-METAL WEATHER STRIPS**

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

**MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

nue and Schuylkill River, Philadelphia, \$18,000. Architect, private plans. Owners, Gulf Refining Co., Girard Point, Philadelphia. Iron, 1 story, 66x137 feet, and 1 story, 45x80 feet. Contract awarded to Maryland Metal Building Co., Pennsylvania Building, Philadelphia.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 3912

Residence and Store (add. and alts.), 6601 Lansdowne avenue, Philadelphia, \$3,000. Architect, private plans. Owner, G. Anastasis, 431 North Sixty-fourth street, Philadelphia. General alterations and addition. Contract awarded to N. De Baggis, 6218 Master street, Philadelphia.

Pennsylvania Construction News

Chapel and Mausoleum, Plymouth, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, care of architects. Granite (local), 28x36 feet, marble work, bronze work. Plans in progress.

Residence, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, care of architects. Brick, limestone, 2½ stories, 30x52 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects ready for bids.

Amusement Hall, Plymouth, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Polish Alliance of America, care of architect. Steel, brick, 3 stories, 63x129 feet, built-up roof, hardwood and pine floors, steam heat, electric light, tile work. Architect will be ready for bids in two weeks.

Residence, Swoyerville, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Holy Trinity Church, Rev. J. Karnish, Swoyerville, Pa. Frame, brick veneer, 2½ stories, 40x52 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Architects taking bids.

School, Stroudsburg, Pa. Architects, Hassness & Albright, Harrisburg, Pa. Owners, School Board of Stroudsburg, B. F. Morey, secretary, Stroudsburg. Architects selected.

Hospital (add.), Jefferson avenue, Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Mercy Hospital, Sister Ambrose, on premises. 5 stories rear add. Plans in progress.

Church, Olyphant, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, St. Patrick's Roman Catholic Church, Rev. P. J. Murphy, Olyphant, Pa. Stone, 1 story, 62x114 feet, tile roof, composition floors, waterproofing, bond, marble work,

steam heat. Architect ready for bids.

Residence, Rosemont, Pa. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owner, Jacob S. Beetem, 4518 Pine street, Philadelphia. Brick, 2½ stories, slate roof. Plans in progress.

Residence, Windber, Somerset County, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, R. M. Mullen, Windber, Pa. Preliminary plans in progress.

Store and Apartment, West Center street, Mahanoy City, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, I. Oberson, care of architect. Frame, 3 stories, 20x46 feet, slag roof, pine floors, copper store front, plumbing, plate glass, steam heat, electric light, tile work. Plans in progress.

Residences and Garages (76), Drexel Hill Gardens, Pa. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, name withheld. Brick, stone, stucco, concrete block, 2½ stories, 16x40 feet, hardwood floors, cement work, garages, 10x15 feet, hot water heat, electric light, tile work. Plans in progress.

Residence and Garage, Brockway and Merion roads, Merion, Pa. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owner, R. P. Purchase, Bourse, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Plans in progress.

Store and Office Building, Edgmont avenue, between Fifth and Sixth streets, Chester, Pa. Architect, F. C. Watson, Wallingford, Pa. Owner, name withheld. Brick, 2 stories and basement, 125x110 feet, slag roof. Plans in progress.

Residence, Chester, Pa. Architect, F. C. Watson, Wallingford, Pa. Owner, name withheld. Brick, 2 stories, 30x38 feet, garage, 2 stories, 18x24 feet, asbestos red shingle roof, electric light, tile work. Plans in progress.

Apartment House, North side Hamilton street, East of Franklin street, Allentown, Pa. Architects, Samuel L. Salkind, M. N. Weinstein, Brooklyn, N. Y. Owners, Petruch Const. Co., 926 Hamilton street, Allentown, Pa. Reinforced concrete, brick, limestone, steel, granite, 6 stories and basement, 104x80 feet, Barrett specification roof, pine, oak and

On the Ground When Wanted

AN ambition to give your orders the kind of attention that will THOROUGHLY satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a REAL Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

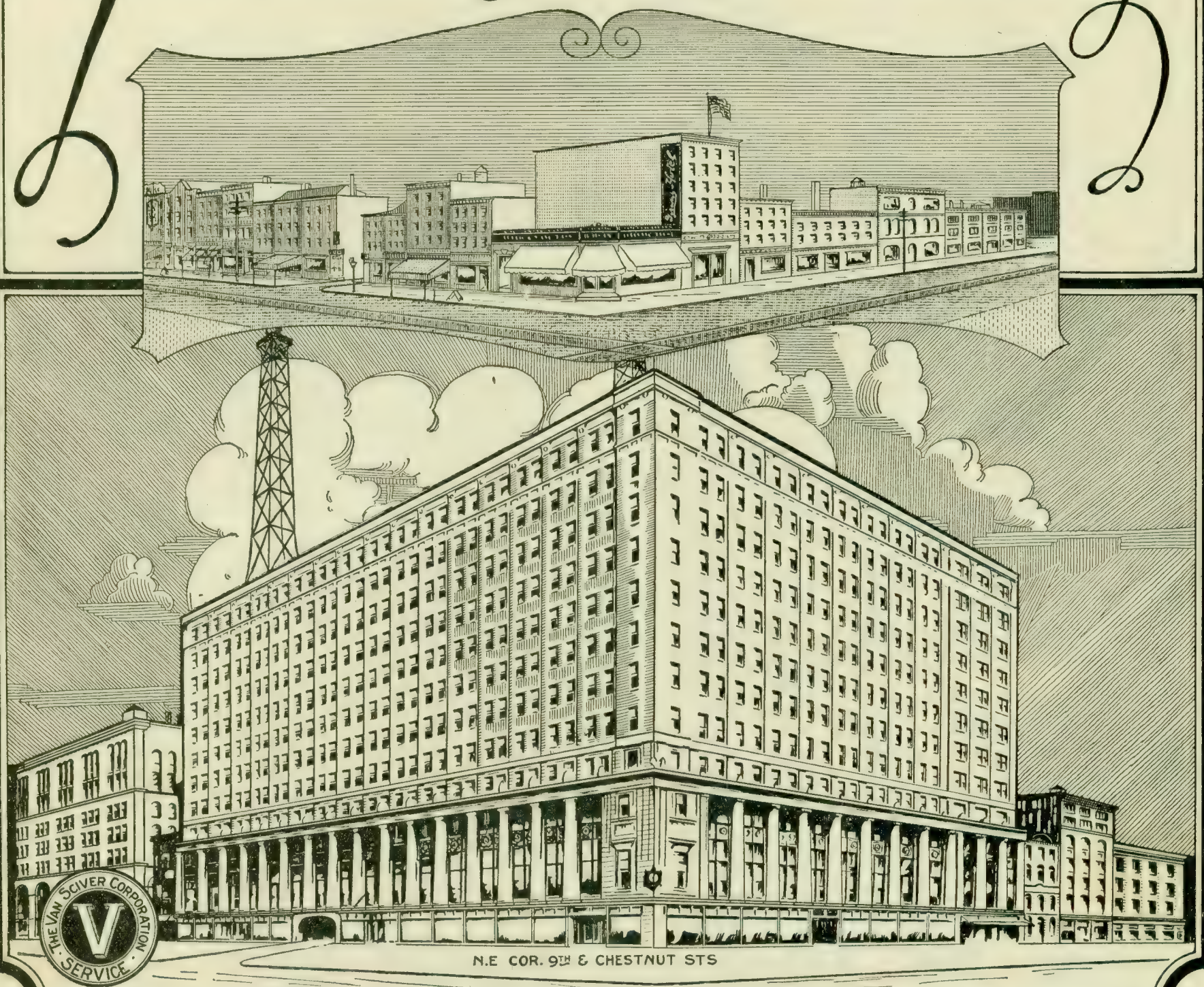
Park 4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

PHILADELPHIA

Yesterday and Today



PHILADELPHIA can justly be proud of its progress. Nearly every day changes take place that beautify this old historic city.

The northeast corner of Ninth & Chestnut Streets is now graced by one of the most beautiful and imposing department stores in the world. Surely it is a great credit to the

builders' art, and to the owners themselves.

Philadelphia today is one of the most beautiful cities in the world. Philadelphia tomorrow will be the ideal city of comfort, convenience, and beauty combined.

Co-operation is the watch-word of modern progress.

THE VAN SCIVER CORPORATION

Contractors' and Builders' Supplies

EXECUTIVE OFFICES ~ The PARKWAY at 24TH STREET, PHILADELPHIA

cement floors, elevators, waterproofing, architectural terra cotta, bluestone, plumbing, iron pipe, ornamental iron work, iron stairs, floor hardener, kalamein doors, copper skylights, tile, marble and terrazzo work, metal lath, electric light, vapor heat, oil burners. Owners will build as soon as possible.

Apartment House (add.), North Sixth street, Allentown, Pa. Architect, E. R. Biting, 1104 Hamilton street, Allentown, Pa. Owner, L. G. Gunn, 111 North Sixth street, Allentown, Pa. Brick, 3 stories, 17x70 feet, hardwood floors, slag roof, vapor heat, electric light. Owner will build.

Store and Apartments, Fifth and Liberty streets, Allentown, Pa. Architect, E. R. Biting, 1104 Hamilton street, Allentown, Pa. Owner, Isadore Baringoldz, 214 North Fourth street, Allentown, Pa. Brick, 4 stories, 36x90 feet, slag roof, hardwood floors, vapor heat, electric light, tile work. Owner will build.

Apartment House, 519 North Ninth street, Allentown, Pa. Architect, E. R. Biting, 1104 Hamilton street, Allentown, Pa. Owner, Rubin Mainker, Seventh and Turner streets, Allentown, Pa. Brick, 3 stories and basement, 36x105 feet, slag roof, hardwood floors, vapor heat, electric light, tile work. Owner will build.

Grade School, Plymouth, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, School District of Plymouth Borough, William Y. Matthews, secretary, Plymouth, Pa. Semi-fireproof, 2 stories, 12 rooms, safety treads, roof ventilators, iron stairs, bond, metal lath (heating, plumbing, electric separate). Owners taking bids due April 18th, at 7.30 P. M.

Junior High School (add.), Plymouth, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, School District of Plymouth Borough, William Y. Matthews, secretary, Plymouth, Pa. Semi-fireproof, 2 stories add., slag roof, pine floors, safety treads, roof ventilators, dampproofing, iron stairs, bond, metal lath (heating, plumbing and electric separate). Owners taking bids due April 18th at 7.30 P. M.

High School (add.), Plymouth, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Plymouth School District, William Y. Matthews, secretary, Plymouth, Pa. Fireproof, 2 stories add., 6 rooms, safety treads, roof ventilators, dampproofing, iron stairs, bond, metal lath (heating, plumbing and electric separate). Owners taking bids due April 18th, at 7.30 P. M.

Residence, Wyndmoor, Pa. Engineer, Hugh A. Hamilton, Chelton avenue and Greene

street, Philadelphia. Owner, James Monroe Aiman, 8140 Germantown avenue, Philadelphia. Stone, 2½ stories and basement, 22x40 feet, copper roof, oak and pine floors (plumbing, heating, electric reserved), metal lath, tile work. Engineer taking bids due as soon as possible.

Main Hall, Dormitory and Class Room, Mercersburg, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Mercersburg Academy, Dr. W. Mann Irvine, Mercersburg, Pa. Brick, steel, concrete, 5 stories, 42x130 feet. Architect taking bids due April 21st, 6 P. M.

Office Building, Ambler, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owner, Henry C. Biddle, Ambler, Pa. Brick, cut stone, 1 story, 12x50 feet, hot water heat, electric light, architectural terra cotta. Architect taking bids due April 7th.

Residence, Wilkes-Barre, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owner, M. Nelson, 368 South Franklin street, Wilkes-Barre, Pa. Brick, 2½ stories, 41x52 feet, slate roof, hardwood floors, Warren Webster heat, electric light, tile and terrazzo work. Architect taking revised bids.

School, Shamokin, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Coal Township School Board, Mr. Ryan, secretary, Shamokin, Pa. Fireproof, 2 stories, 235x75 feet, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, bond, fire doors, steel sash, tile and marble, metal lath (heating, plumbing and electric separate). Owners taking bids due April 7th.

Store (add.), Kingston, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Davis & Craig, Inc., Wyoming avenue, Kingston, Pa. Semi-fireproof, brick, 1 story, 30x82 feet, slag roof, metal ceilings, steam heat, electric light, steel sash. Architects taking bids due April 7th.

Washington School (add.), Salisbury Township, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Salisbury Township School Board, John T. Mory, secretary, Route 2, Allentown, Pa. Brick, 2 stories, 35x70 feet, built-up roof, maple floors, safety treads, iron stairs, bond (heating, plumbing, electric separate). Owners taking bids.

Residence and Garage, Bethlehem, Pa. Architects, Weigner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, James Bender, care of Bethlehem Steel Co., Bethlehem, Pa. Brick, 2½ stories, 41x38 feet, garage, 1

story, 22x21 feet, slate roof, hardwood and concrete floors, slate walks, electric range, electric refrigeration, tile work, electric work, hot water heat. Architects taking bids due about April 14th.

Hospital, Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Mid-Valley Hospital, E. S. Jones, president, Blakely, Pa. Fireproof, 2 stories, 28x93 feet, slate roof, concrete and composition floors, roof ventilators, waterproofing and dampproofing, fire doors, steel sash, tile work, electric work, steam heat (heating, plumbing and electric reserved). Architect taking bids due April 11th.

Buildings (3), Mont Clair, Pa. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, River Crest Preventorium, Mont Clair, Pa. Brick, steel, 3 stories and basement, tile, asbestos, shingle roof, cement floors, electric light, metal lath, terrazzo work, rolled steel sash, kalamein doors, ornamental iron work, composition floors, septic tanks, dumb waiter, refrigerator. Architect taking bids due April 12th, 10 A. M.

Bank Building (alts. and add.), Bristol, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Farmers' National Bank of Bucks County, J. R. Grundy, Bristol, Pa. Brick, stone, 1 story and basement. Architects taking bids due April 14th.

Highway Work, Pennsylvania. Owners, State Highway Department, Harrisburg, Pa. Low bidders:

Warren County, Route 94, Sec. 2, Warren Borough, 1,537 feet. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$46,777.50.

Somerset County, R-50, A-4049, Milford, Middle Creek and Upper Turkeyfoot Townships, 20,870 feet. One course reinforced concrete, grading and drainage. James & Nicholson Co., Inc., Johnstown, Pa., \$161,089.24.

Bradford County, A-4310, Ridgebury Township, 29,106 feet. One course reinforced concrete. Colonial Const. Co., Pittsburgh, Pa., \$210,310.81.

Allegheny County, R-70, Sec. 4A, A-4358, Blawnox Borough and O'Hara Township. One course reinforced concrete. R. H. Cunningham, Turtle Creek, Pa., \$235,082.83.

Jefferson County, R-357, A-3701, Ringgold Township. One course reinforced concrete. J. B. Trexler, Lewistown, Pa., \$118,452.25.

Northampton County, A-4490, Lehigh Township, 26,800 feet. One course reinforced concrete. Juniata Co., Empire Building, Philadelphia, \$194,040.01.

Fayette County, R-288, 247, A-4253, Franklin and Perry Townships. One course reinforced concrete. J. I. Dick, Scottdale, Pa., \$200,501.09.

Berks County, R-149, Heidelberg Township. Grading and drainage. W. H. Murphy & Sons, Harrisburg, Pa., \$8,717.10.

Berks County, A-4425, Ruscombmanor Township. One course reinforced concrete. Michael Staub, Reading, Pa., \$74,136.62.

Lehigh County, A-4394, Hanover Township and City of Bethlehem. One course reinforced concrete. Michael Staub, Reading, Pa., \$90,246.10.

Berks County, R-518 Sec. 1, A-3952, Cumru Township. One course reinforced concrete. Field, Barker & Underwood, Commercial Trust Building, Philadelphia, \$178,148.23.

Northampton County, A-4473, 4474, Palmer and Bethlehem Townships. One course reinforced concrete. J. M. Hutchinson, Altoona, Pa., \$192,512.50.

Clarion County, R-311, A-4277, Perry Township. One course reinforced concrete. A. R. Cooper, New Florence, Pa., \$46,627.60.

Greene County, R-112, S-4, A-4238, Carmichaels Borough, Cumberland Township. One

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless Fireplace.

Blackburn Flue Throat can be used with any damper.

Indorsed, recommended and specified by architects and builders who know.

For Demonstration and Proof
Call Lansdowne 2467 W

WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

course reinforced concrete. E. E. Morris, Waynesburg, Pa., \$49,388.70.

Blair County, A-4233, Logan Township. One course reinforced concrete. Lynn A. Brua, Jr., Hollidaysburg, Pa., \$28,748.98.

Warren County, A-4104, Pleasant Township. One course reinforced concrete. F. L. White Co., Warren, Pa., \$95,691.28.

Residences and Basement Garages (66), Upper Darby, Pa. Owner, David Magen, 5425 Montgomery Ave., Philadelphia. Work contemplated.

Residence and Basement Garage (26), Lasher Road, Drexel Hill, Pa. Owner, Beckinshoff and Wilson, 5156 Haverford Avenue, Philadelphia. Frame stucco, 2 stories, 16 feet 5 inches x 38 feet, slag roof, hot water heat, electric light. Permit issued.

Residence and Garage, 910 Concord Ave., Drexel Hill, Delaware Co., Pa. Architect, private plans. Owner, Donald MacPhail, 3408 Albermarle Ave., Drexel Hill. Brick, frame stucco, 2 stories, 26x26 feet, Garage 10x18 feet. Owner will build.

Pennsylvania

Contracts Awarded

Silk Mill, Perkasio, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Perkasio Industrial Co., care of Mr. Myers, Perkasio, Pa. Brick, 1 story and basement, 65x100 feet, oMnitor roof, cement floors, steam heat, ventilators. Contract awarded Clayton F. Myers, Perkasio, Pa.

Residence and Garage, 614 Turner Avenue, Drexel Hill, Pa. Owner, Max J. Grocke, 1507 Arch Street, Philadelphia. Frame stucco, 42x29 feet. Contract awarded Geo. M. Pettit, 128 Price Ave., Norwood, Pa.

Residence, Garage and Greenhouse, Ashbourne road and Park avenue, Elkins Park, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owner, Joseph J. Greenburg, Morris Building, Philadelphia. Stone, 2½ stories and basement, 90x50

feet, variegated slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Residence and Garage, Cheltenham road and Marverock avenue, Montgomery County, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Clarence M. Brown, Land Title Building, Philadelphia. Stone, 2½ stories and basement, 134x50 feet, wing 32xx80 feet, 12x72 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, bond, ornamental iron work. Contract awarded E. Allen Reeves, Abington, Pa.

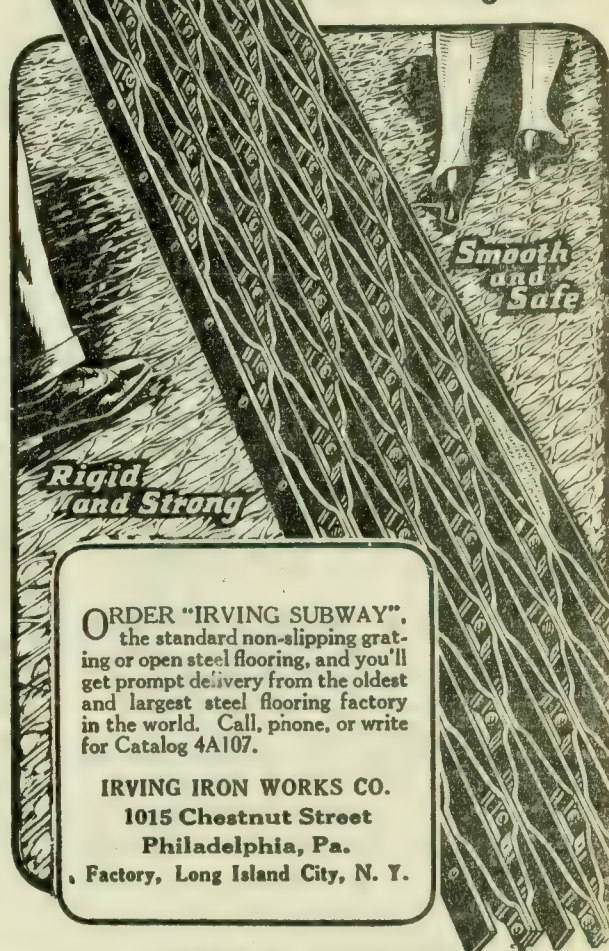
Residence, Rydal, Pa. Architect, Philip L. Goodwin, 607 Fifth avenue, New York City. Owner, Mrs. Josephine S. Goodwin, care of architect. Stone, stucco, 2½ stories and basement, 80x50 feet, slate roof, oak and pine floors, metal weather strip, hot water heat, electric light, ornamental iron work, flagstone, metal lath, tile, marble, refrigerators, oil burners. Contract awarded E. Allen Reeves, Abington, Pa.

Church Building, Lincoln Highway and Church street, Coatesville, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Stanislaus Kostka Church, Rev. Anthony Klijanowicz, Coatesville, Pa. Stone, brick, cut stone, 1 story and basement, 100x45 feet, asbestos shingle roof, (tower) copper roof, steam heat, oil burner, electric light, rolled steel sash, wire, storm and moss glass, reinforced concrete, structural steel. Contract awarded Frank Seraski, 13 North Church street, Coatesville, Pa.

Store and Residences (2), 18 and 21 Chester pike, Collingdale, Pa. Architect, M. A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Kain Ellis, care of architect. Brick, structural steel, plaster, cement work, painting, mill work, slag roof, electric light, stair work, marble work, metal ceilings. Contract awarded Ramos & Wiggins, 732 South Fifty-first street, Philadelphia.

School, Swoyerville, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Holy Trinity Church, Rev.

Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING

A. HUSKEY

PORTABLE

MEYER COSSOY

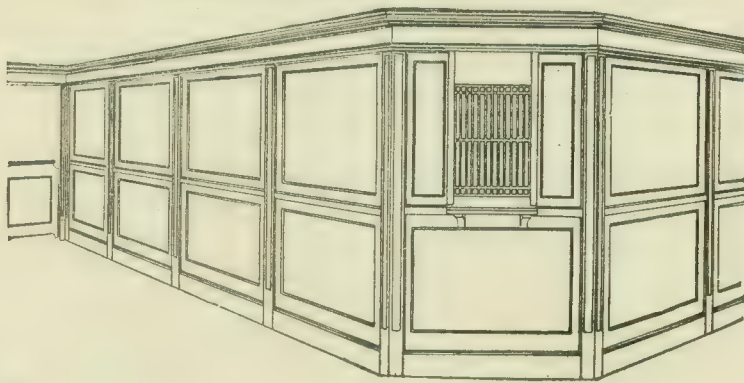
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE FIXTURES

FOR ALL KINDS
OF

STORES



CABINET WORK

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

GENERAL INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

SURETY BONDS

J. Karnish, Swoyerville, Pa. Brick, veneer, steel, 2 stories and basement, 61x142 feet, built-up roof, pine floors, safety treads, roof ventilators, vapor heat, electric light, steel sash, iron stairs. Contract awarded to Whalen Const. Co., Kingston, Pa.

Residence (alts.) to Office, 66 North Washington street, Wilkes-Barre, Pa. Architect, H. G. Cook, Miners' Bank Building, Wilkes-Barre, Pa. Owner, Dr. F. J. Krajewski, on premises. General interior alterations, oak floors, electric work, built-up roof. Contract awarded to Johns Cons. Co., 347 South Main street, Wilkes-Barre, Pa.

Tenant House, Gwynedd Valley, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Edward B. Smith, Jr., Gwynedd Valley, Pa. Cinder concrete block, 2 stories, 24x24 feet, shingle roof, pine floors, hot air heat, electric light. Contract awarded to W. D. Lukens, North Wales, Pa.

Residence (alts.), Gwynedd Township, Pa. Architect, G. Edwin Brumbaugh, Real Es-

tate Trust Building, Philadelphia. Owner, Lester B. Johnson, on premises. Interior alterations. Contract awarded to W. D. Lukens, North Wales, Pa.

High School, Kingston, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Kingston School Board, W. H. Evans, secretary, Kingston, Pa. Fireproof, 2 stories and basement, 276x180 feet, composition roof, composition and maple floors, hollow tile, safety treads, roof ventilators, ornamental iron, iron stairs, fire doors, tile work, metal lath, steel sash and skylights. Contract awarded to A. J. Sordoni, Forty Fort, Pa., \$641,390. Plumbing to J. T. Evans, Kingston, Penna. Heating to H. W. Williams, Kingston, Penna. Electric to J. C. Kovel, Miners Mills, Pa.

Swimming Pool, Lansdowne, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Vincent's Home, Lansdowne, Pa. Brick, steel, concrete, slate roof, cement floors, hollow tile, roof ventilators, waterproofing, bond, ornamental iron work, plumbing, wrought iron pipe drainage. Contract awarded to Farrell-Roth Const. Co., Twenty-first and Walnut streets, Philadelphia.

Residence, Media, Pa. Architect, F. C. Watson, Wilmington, Del. Owner, Dr. R. C. Bell, Media, Pa. Stone, 2½ stories, 30x41 feet, shingle roof, hardwood floors, basement garages, hot water heat, electric light, tile work. Contract awarded to Moorehouse & Eves, Media, Pa.

Dormitories (2), Collegeville, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Ursinus College, M. Paisley, Reading Terminal Building, Philadelphia. Brick, stone. Contract awarded to Heavner & Guthridge, Norristown, Pa.

Residence (alts. and add.), Servants' Wing, Ardmore, Pa. Architects, Bissell & Sinkler, 1520 Locust street, Philadelphia. Owner, Mrs. H. H. Furness, Jr., Ardmore, Pa. Iron work, painting and glazing, plumbing, tile work, bond, concrete and cement work, brick work, hardware, carpentry and mill work, shingle roof, pine floors, plastering, metal lath, tile, wrought iron pipe. Contract awarded to H. H. Burrell & Son, 206 South Quince street, Philadelphia.

Pennsylvania State Highway Work. Owners, State Highway Department, Harrisburg, Pa.

Berks County, A-4426, Longswamp Township. One course reinforced concrete. Contract awarded to Kutztown Const. Co., Kutztown, Pa., \$89,042.59.

Carbon County, R-510, Sec. 2, A-4448, Summit Hill Borough. One course reinforced concrete. Contract awarded to Pratt & Moore, Inc., Hollidaysburg, Pa., \$39,390.90.

Pennsylvania State Highway Work. Northampton Co., A-4475, Lower Mt. Bethel Township, 22,326 feet. One course reinforced concrete. \$161,191.86. Contract awarded to Sonder Const. Co., Lancaster, Pa.

Luzerne Co., R-2188, Kingston Township, 6,406 feet. One course reinforced concrete. \$72,670.06. Contract awarded to D. W. Davis & Sons, Kingston, Pa.

Mercer Co., R-74, Lackawannock, Jefferson

and Hickory Townships, 34,369 feet. One course reinforced concrete. \$256,394.28. Contract awarded to Lewis & Frisinger, Ann Arbor, Mich.

Berks Co., A-4428, Tulpehocken & Bethel Townships, 11,650 feet. One course reinforced concrete. \$112,430.03. Contract awarded to Frank C. Boyer, Lebanon, Pa.

Bridges (4), Bucks Co., Pa. **Contracts awarded**. Engineer, J. S. Roberts, 204 Radcliffe St., Bristol, Pa. Owner, Bucks Co. Commissioners, Doylestown, Pa. Bridge No. 74 awarded to E. H. Johnson, Norristown, Pa. (Bridge No. 47, West Rockhill Township.) Bridge No. 345, Buckingham, awarded to Faus Engineering Co., Bristol, Pa. No. 346, Bridge-ton Township, awarded to Faus Engineering Co., Bristol, Pa. No. 346, Warwick Township, awarded to M. Fred McPeck, Riegelsville, Pa.

New Jersey Construction News

Bank Building, Northwest Corner Broadway and Market streets, Camden, N. J. Architect, not yet selected. Owners, Camden Safe Deposit & Trust Co., 224 Federal street, Camden, N. J. Site purchased. Work contemplated.

Town Hall, Linwood, N. J., \$60,000. Architect, Vivian B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Borough of Linwood, care of architect. 45x90 feet. Preliminary plans in progress.

High School, Pleasantville, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Pleasantville School Board, Neil Campbell, chairman, Building Committee, Pleasantville, N. J. Fireproof, 3 stories, 220x200 feet. Preliminary plans in progress.

School, Northfield, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Northfield School Board, Mr. Harman, Northfield, N. J. Steel, fireproof, 2 stories and basement, 58x160 feet, built-up roof, maple floors, hollow tile, safety treads, roof ventilators. Low bidders: Ingersoll Cont. Co., Linwood, N. J. Revised plans in progress.

Residence (alts.), 105 West State street, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, Dr. B. D. Miller, State and Broad streets, Trenton, N. J. General interior alterations. Plans in progress.

Garage, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Balderston Chevrolet Co., Inc., 118 North Warren street, Trenton, N. J. Fireproof, 2 stories, 19x000 square feet, slag roof, concrete floors, roof ventilators, ramp, steel skylights, electric light. Plans in progress.

Church, Audubon, N. J., \$50,000. Architect, private plans. Owners, Trinity Lutheran Church, Rev. J. D. Krout, 29 Yale avenue, Audubon, N. J. Avondale marble or similar limestone, 55x85 feet, steel sash, asbestos or rubberoid shingle roof, pine floors, plumbing, electric light, steam heat, oil burners, church furniture, stained and leaded glass. Plans completed. Owners will be ready for sub-bids in two weeks.

Church, Woodland avenue and Sylvan street, Camden, N. J. Architect, not yet selected. Owners, Woodland Avenue Presbyterian Congregation, Rev. Charles Evers, 829 Morgan street, Camden, N. J. Lot, 85x45 feet. Work contemplated. Architect not yet selected. Will be ready to take bids in two months.

Market House, Absecon Boulevard, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J.

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE

LIMESTONE

GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Owners, City of Atlantic City, Louis Kiehne, Commissioner, City Hall, Atlantic City, N. J. Brick, steel, 1 story, 180x50 feet, slag roof, concrete floors, roof ventilators, electric light, rolled. Owners will be ready for bids in about ten days.

Comfort Station, Maine and Atlantic avenues, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, City of Atlantic City, S. Headley, City Hall, Atlantic City, N. J. Brick, 1 story, tile and concrete floors, electric work, tile and marble. Owners will be ready for bids in about ten days.

Stores (3) and Apartment, Portland avenue, Ventnor, N. J. Architect, A. B. Steelman, Guarantee Trust Building, Atlantic City, N. J. Owners, People's Market, 1611 Atlantic avenue, Atlantic City, N. J. Brick, steel, cinder block, 1 story, 75x50 feet, slag roof, pine floors, tile and marble, electric light, hot water heat. Owners ready for sub-bids.

School, Wildwood Crest, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Wildwood Crest Board of Education, Wildwood, N. J. Plans will not be ready for bidders for at least two weeks.

Bank, Brunswick and Olden streets, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Security National Bank, care of architects. Brick, steel, 1 story, 50x60 feet, asphalt roof, tile and concrete floors, linoleum, roof ventilators, iron gratings, wrought iron grills, dampproofing, ornamental plaster, east stone, steel stairs, revolving doors, fire and kalamein doors, steel sash, tile and marble (vault, heating, plumbing and electric separate. Architects taking bids due April 7th.

Store and Show Room, Apartments (alts. and add.), 575 Mickle street, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owner, William J. Kelly, on premises. Brick, cinder block, stucco, 3 stories and basement, 76x17 feet, slag roof, maple and pine and cement floors (heating, lighting reserved), metal lath, tile work. Architects taking bids due April 8th before noon.

Parkside School, Princess and Wildwood avenues, Camden, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Camden, N. J. Brick, steel, 3 stories and basement, 35x70 feet. Owners taking bids due April 14th.

Store and Apartments (4), Federal street, near Twenty-third, Camden, N. J. Architects, Lackey & Hettle, Camden, N. J. Owner, Louis Jaffe, 521 South Fourth street, Philadelphia. Brick, 2 stories, slag roof, plate glass, metal bulks. Architects taking bids due April 12th at noon.

Sheriff's Residence (add.), Mays Landing, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Chosen Freeholders, Guarantee Trust Building, Atlantic City, N. J. Brick, fireproof, 1 story, 16x25 feet, slag roof, oak floors, heating extension, electric light. Owners taking bids due April 13th.

Residences (5), 2909-11-13-15-17 Congress road, Camden, N. J., \$15,000. Architect, private plans. Owner, Vincenzo Imbesi, 1116 South Third street, Camden, N. J. Brick, 2 stories, 16x30 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

School (alts. and add.), Moorestown, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, J. W. Powell, Moorestown, N. J. Brick, reinforced concrete, steel, 2 stories and basement, 73x41 feet (plumbing, heating, electric separate), composition roof, maple and cement floors, metal lath, hollow tile, roof ventilators, dampproofing, bond, kalamein doors, ornamental iron work. Low bidders: Fred Lange, Audubon, N. J., \$30,336, add \$3,119, add \$27. H. B. Miller, Edgewater Park, \$30,733, add \$2,948, add \$100. Electric, Harry W. Hart, 7010 Ditman street, Philadelphia, \$880, add \$65. Plumbing, Harry Knecht, West Collingswood, N. J., \$2,795, add \$60. Heating, Harry Knecht, West Collingswood, N. J., \$5,129, add \$157.

Sewage Disposal Plant, Maple Shade, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Burlington County Commissioners, Maple Shade, N. J. Low bidder: Walter Sewell, Mullica Hill, N. J.

Sewer Extension, Crescent Boulevard, Pensauken, N. J. Engineer, Remington & Vosbury, 509 Cooper St., Camden, N. J. Owner, Township Commissioners, R. V. Peabody, Clerk, Pensauken, N. J. Approximately 7790 lineal feet, 5 inch and 12 inch T. C. pipe sewer, 40 manholes and appurtenances. Certified check, 5%. Deposit \$5.00, refund \$3.00 bond. Owner taking bids due April 11th, 8.30 P. M.

Garages (2), Point St., above Cooper St., Camden, N. J., \$5,000. Architect, private plans. Owners, Victor Talking Machine Co., Camden, N. J. Block, 1 story, 18x64 feet each, asphalt roof, cement floors. Permit issued.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Secretary, Broad St. Bank Bldg., Trenton, N. J. Route 18, South Sec. 16, Route 20, Sec. 2, Malaga to Downstown, Gloucester Co. Excavation, double line reinforced concrete pavement, gravel roadway and shoulders and (1) small span bridge. Owners taking bids due April 18th at noon. Certified check 10%. Deposit \$10.00.

New Jersey Contracts Awarded

Residence and Store (1) Residences (7), 1100-14 Van Hook St., Camden, N. J. \$32,000. Architect, Harold A. Allen, 526 Stevens St., Camden, N. J. Owner, B. Derowski, Camden, N. J. Brick, 2 stories, 18x51 feet and 14x44 feet, slag roof, hot water heat, electric light. Contract awarded to Steve Waselewski, 1305 Eldridge Ave., Collingswood, N. J.

Residences (4), 122-28-32-34 Magnolia Ave., Camden, N. J., \$20,000. Architect, private plans. Owner, Philip Kalipman, 126 N. King St., Gloucester, N. J. Brick, 2 stories, 15x44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Harry Vansant & Son, Collingswood, N. J.

Residences (6), 1728-38 Mulford St., Camden, N. J., \$15,000. Architect, Harold A. Allen, 526 Stevens St., Camden, N. J. Owners, Oscar Cott and Harry H. Teitelman, 535 Federal St., Camden, N. J. Brick, 2 stories, 13 feet 3 inches x 37 feet, slag roof, pine floors, warm air heat, electric light. Con-

tract awarded to Luigi Lieggi, Riverside, N. J.

Department Store, Bridge Boulevard, Memorial and Mt. Ephraim avenues, Camden, N. J. Architect, George C. Nimmons, 122 South Michigan Boulevard, Chicago, Ill. Owners, Sears-Roebuck, Mr. L. J. Rosenwold, Roosevelt Boulevard, Philadelphia. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 240x162 feet, wing 68x104 feet, tile roof, concrete, maple and pine floors, hollow tile, safety treads, roof ventilators, integral waterproofing, dampproofing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, steel rolling and hollow metal doors, iron stairs, steel toilet partitions, concrete piles, rubber work (elevators, sprinkler system, lighting fixtures, mechanical items, plumbing, drainage, heating, ventilating reserved). Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

School (add.), Clayton, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, Borough of Clayton, N. J. Brick, reinforced concrete, cut stone, 2 stories and basement, 110xx56 feet, wing 76x90 feet, slate and composition roof, maple and cement floors, hollow tile, roof ventilators, plumbing, waterproofing and dampproofing, area gratings, ornamental iron

MITCHELL BROS.
Carpenters, Builders and Contractors
2125 Race St., Phila.
Bell, Rittenhouse 4603 Keystone, Race 6062

EXPERT BLASTING
J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

Steel **FLAG POLES** Wood
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

CHAPMAN SLATE CO.
BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT
211 Drexel Building
Philadelphia
Lombard 4900

work, bond, hollow metal doors and sash, metal lath, steam heat, electric light. Contract awarded Fred Lange, Audubon, N. J., \$106,267. Electric, Charles S. Wright, Camden, N. J., \$3,742. Plumbing, F. Wackenhut, 2416 Frankford avenue, Philadelphia, \$5,035. Heating and ventilating, American Heating & Ventilating Co., Schaff Building, \$9,710.

Building, State Colony for Feeble Minded, Woodbine, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Concrete block, brick, stone, steel, 1 and 2 stories, slate roof, cement and yellow pine floors, shoring, integral waterproofing, limestone, area gratings, membrane waterproofing, linoleum, ornamental iron, iron stairs, floor hardener, bond, tile and marble, metal lath. Contract awarded to Pasquale & Schaible, Vineland, N. J. Plumbing to W. H. Kentner, Wildwood, N. J. Electric to L. M. Danenhirsch, Woodbine, N. J.

Factory Building, Ninth and Liberty streets, Camden, N. J. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Congress Cigar Co., Third and Spruce streets, Philadelphia. Reinforced concrete, brick, 5 stories and basement, 97x62 feet, slag roof, cement floors, elevators, steam heat, electric light, hollow metal sash, tin-covered doors, hollow metal doors, ornamental iron work, plumbing, sprinkler, metal toilet partitions, incinerator, iron pipe. Contract awarded J. S. Rogers Co., Drexel Building, Philadelphia.

Convention Hall, Atlantic City, N. J. Architects, Lockwood-Greene, Inc., 1 Pershing Square, New York. Owners, Atlantic County Commissioners, care of Mr. Headley, Guarantee Trust Building, Atlantic City, N. J. Heating plant awarded to Riggs, Distler & Co., Baltimore, Md., \$509,000.

Store (alts. and add.), South Carolina and Atlantic avenues, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Corrie Holding Co., care of architect. Brick, 3 stories, 55x100 feet, hardwood floors, copper work, plate glass, tile and marble, hot water heat, electric light, alterations. Contract awarded to S. Dolinsky, Freeman Building, Atlantic City, N. J.

Hotel (alts. and add.), South Kentucky avenue, Atlantic City, N. J. Architect, W. B. Riebenack, Guarantee Trust Building, Atlantic City, N. J. Owner, Hotel De Ville, Mr. O'Brien, on premises. Brick, steel, semi-fireproof, 5 stories, 26x75 feet, slag roof, hardwood floors (plumbing and heating reserved), metal lath, tile work. Contract awarded to P. G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Garages (8) and Store (1), 310-12-14 Division street, Camden, N. J., \$5,600. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owner, Salvatore Pestritto, care of architect. Garages, block, 1 story, 10x18 feet, 24x28 feet, store, brick, 1 story, 20x30 feet, slag roof, electric light. Contract awarded to Costanza Brothers, 1540 Mt. Ephraim avenue, Camden, N. J.

Residences (8), 1111-27 North Nineteenth street, Camden, N. J., \$29,000. Architect, private plans. Owner, Edel Evantash, 1427 Ormond street, Camden, N. J. Brick and block, 2 stories, 14x49 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Henry H. Wilson, 800 Hunter street, Gloucester, N. J.

Incinerating Plant, Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Pensauken Township, R. V. Peabody, Pensauken, N. J. Contract awarded Decaire Corp., 342 Madison avenue, New York, \$62,190.

Bridge, Edgewater avenue, Westville, N. J. County engineer, W. C. Cattell, Woodbury, N. J. Owners, Gloucester County Board of Freeholders, Woodbury, N. J. Contract awarded J. R. Ericksen, Woodbury, N. J., \$10,319.

Reinforced Concrete Bridge, Delsea Drive, near Fairview Corner, N. J. Owners, Gloucester County Board of Freeholders, Woodbury, N. J. Also abutment and another small stream, Mantua-Winona road. Contract awarded E. P. Henry & Son, Woodbury, N. J.

Miscellaneous Construction News

Factory, Binghamton, N. Y. Architect, Alfred Freeman, 29 W. 34th St., New York City. Owner, General Cigar Co., 119 W. 40th St., New York City. Brick, steel, 4 stories and basement, 60x402 feet slag roof, cement and wood floors, (plumbing, heating, electric and elevators reserved), rolled steel sash, bond, ornamental iron work. Architect taking bids due April 12th.

Apartment House, Rockaway Beach, New York. Architects, Durham Brothers, 34 South Seventeenth street, Philadelphia. Owner, name withheld. Frame, stucco, 2 stories, 50x70 feet, 10 apartments, tile and slag roof, hardwood floors, ornamental iron work, door beds, tile work, steam heat, electric light. Plans in progress.

Miscellaneous Contracts Awarded

Hospital, Troy, N. Y. Architects, Heacock & Hokanson, 1211 Chehstnut street, Philadelphia. Owner, James A. Eddy Memorial, Troy, N. Y. Brick, concrete, cut stone, steel, 2 stories and basement, 116x41 feet, pine, cement and composition floors, plumbing, metal weather strip, ornamental iron work, iron stairs, bond, tile and marble and terrazzo work, metal lath, steam heat, electric light, steel casement sash, bluestone, area gratings. Contract awarded McNeill Const. Co., Schaff Building, Philadelphia.

USEFUL HINTS ON SIDEWALK CONSTRUCTION

As Spring approaches and plans for suburban building get under way, the matter of sidewalks will require attention. In many localities only concrete walks are permitted. In any case, sidewalks are a part of suburban development and concrete is the most popular type as is evidenced by a visit to almost any of the city's suburbs.

In the laying of sidewalks, every precaution should be taken to see that the concrete is uniform. There should be a uniform distribution of the aggregate throughout the mass and the better way to be sure of obtaining that is in the use of hydrated lime. When lime is added to the mixture the concrete becomes smooth and plastic, is easily handled by workmen and assures a pavement that is smooth, white and durable.

About ten pounds of lime should be added to every sack of cement to assure

a mixture that will give the best results. If that course is followed the concrete walk will offer maximum resistance to cracking and to chipping and will be found to retain its stability throughout the year, avoiding warping and dishing to form puddles after a rain.

The addition of lime to the concrete, on the basis stated above, will add virtually no cost to the paving. If a little greater outlay is necessary in the first instance to add lime, its cost will be more than offset in reduced labor costs and in durability. Concrete containing lime is far more workable than concrete without lime and the men laying the payment will make faster time and accordingly reduce placing costs.—*From National Lime Association, Washington, D. C.*

Construction costs increased during February, reaching a point slightly above the level which they held one year before, according to statistics compiled by the Associated General Contractors of America.

The increase in total costs was the result of wage increases and of higher prices commanded in several localities by certain building materials, notably crushed stone and gravel.

The average of wages paid in the construction industry rose during February to the highest point reached since 1920, with the exception of the level occupied in May, 1926.

You owe it to yourself to keep in touch with what is going on in the trade, and you can do this only by becoming a subscriber to and regular reader of your trade paper. If you are not a regular reader of the Builder's Guide you should be. The cost is not excessive. A ten spot insures it fifty-two times in the course of a year.

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE
Architectural Cast Cut Stone Co.....Westmont, N. J.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES
Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co., Columbia and Howard St., Phila.

CAST STONE
Architectural Cast Cut Stone Co.....Westmont, N. J.

CAULKING
Sterling Products Co.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co. ...20th and Venango Sts., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK
Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.

Phila. Building Material Co., 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS
Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co., 1729 Sansom St., Phila.

Weber, F. Co., 125 S. 12th St., Phila.

Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS
Blackburn, Wm. N.,Drexel Hill, Pa.

FIREPLACE THROATS
Blackburn, Wm. N.,Drexel Hill, Pa.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER
Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.

Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)
Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co.....Westmont, N. J.

GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.

Lewis, John W.,3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.

Smith-Austermuhl Co.Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co., 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.

Livezey, Thos. H., American and Luzerne Sts., Phila.

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

Whartenby, Harry A., 1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F. Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co., Norris and Richmond Sts., Phila.

Ketcham, Howard, 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.

Camden Tile Co.Camden, N. J.

Italian Marble Mosaic Co., 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.

Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co., Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Sterling, Joseph,South Merchantville, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.

Penn Steel Service Co.,Fuller Bldg., Phila.

H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Service Supply Corp. ...20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING
Fireproof Construction Co.,
8th and Chelton Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS
Fireproof Construction Co.,
8th and Chelton Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STELL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS
Insurance Co. of North America.....1600 Arch St.

Leon Merz Co.220 S. 16th St., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.

Smith-Austermuhl Co.Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.

Camden Tile Co.Camden, N. J.

Italian Marble Mosaic Co., 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F. Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

VERNEERS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD
Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

Phila. Building Material Co., 1209 N. Taney St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co., 1126 So. 11th St., Phila.

Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Audubon Wire Cloth Co.Audubon, N. J.

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co.,Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Protects this Stucco House Against Wear and Weather

C. J. WALKER
RESIDENCE—
IRVINGTON—
ON THE
HUDSON, N. Y.

V. W. TANDY,
ARCH.

MILLER,
REED & CO.,
BUILDERS



"ANTI-HYDRO" both hardens and waterproofs stucco in one operation. It prevents stucco from chipping, crazing, map-racking and discoloration, and insures a dry interior at all times. The admixture of "ANTI-HYDRO" makes portland cement bond securely to tile, brick or concrete. Any tone may be obtained through the addition of a dry mortar color, or it may be used with pure white cement, without dimming or changing the color. "ANTI-HYDRO" is a liquid integral compound. It mixes readily with the gauging water—any unskilled workman can do it. For 23 years it has proved its superiority. Use "ANTI-HYDRO" on your next job for permanently hard and waterproof stucco work.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

METAL CORNICES
AND
SKYLIGHTS

TILES

IN SPANISH

Closed Shingle
Red and Glazes

FELT, PITCH, SLAG

ROOFING

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES

SLATE and MINERAL SURFACED ROOFING

SMOOTH SURFACED ROOFING

COAL-TAR PITCH

TARRED FELT

ASPHALT

CREOSOTE OIL

WOOD PRESERVATIVES

BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 15
April 13, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED DETAILED
FABRICATED ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

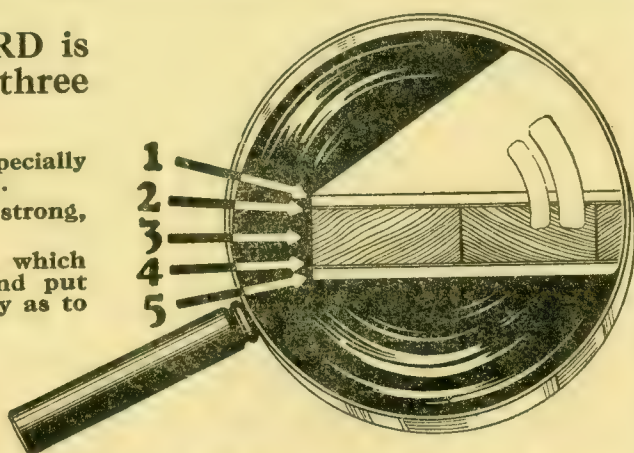
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Never Could

understand why it is necessary in
Philadelphia to have our buildings
designed and engineered by so-called
out of town experts, except that some
owners are incapable of judging our
splendid home talent. This also
happens to electrical work.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

**Phila. Building Materials Co.
JOHN F. DAKIN
Distributing Agents**

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

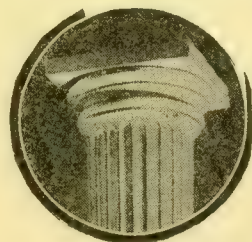
TELEPHONE—POPLAR 2118

EXPANDED METAL LATH



**KNO-BURN MESH
DIAMOND MESH
RIB LATHS**

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



**UNION METAL COLUMNS
TEN STYLES, ALL SIZES**

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD**

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

**PEARCE FIREPROOF CO.
1911-13 North 2nd Street, Phila.**

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

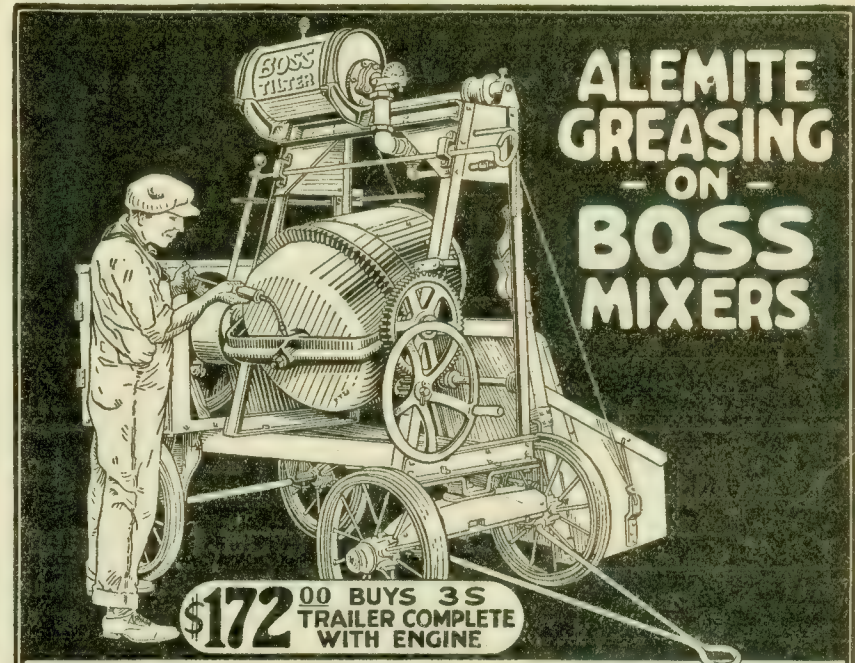
"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



ONE BAG TILTER NOW AT HALF BAG PRICE

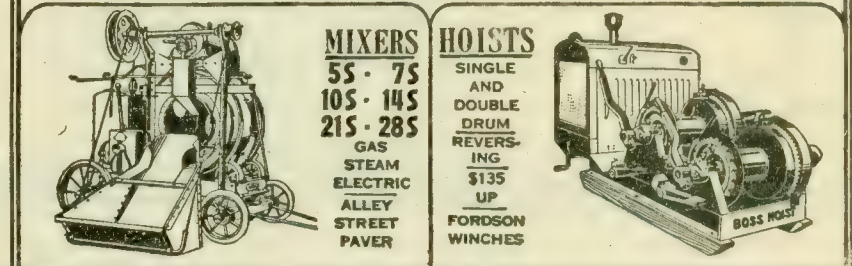
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



BRICK

ELKINS PARK BANK

just nearing completion, is another
piece of Colonial architecture made
possible by the use of

EXCELSIOR ANTIQUES

The building was designed and executed
by the well known

HESSWIN COMPANY

A true colonial appearance and atmos-
phere can always be secured thru the
use of genuine kiln-burned

EXCELSIOR ANTIQUE BRICK

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON STEEL SASH

For All Types of Buildings

Factories

Warehouses

Foundries

Garages

Banks

Office Buildings

Residences

Schools

Large Selection of Warehouse Sizes

DAVID LUPTON'S SONS CO.

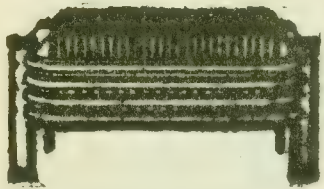
Allegheny Ave. and Tulip St., Philadelphia

Bell—REgent 9700

Keystone—East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street



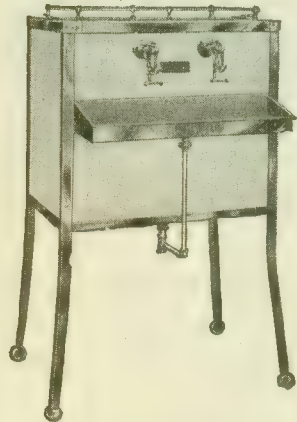
FOR

**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars
"Page" Wire-Link Fence
"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 15

PHILADELPHIA
April 13, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Station, Twenty-fourth and Chestnut streets, Philadelphia, \$5,000,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Baltimore & Ohio Railroad, care of J. J. Cornell, Baltimore, Md. Architect selected. Preliminary plans in progress.

Station, Kensington and Venango streets, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Work contemplated.

Station, Huntingdon street, Philadelphia. Engineer, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Surveys being made. Work contemplated.

Residences and Garages (40), McCallum street, West Germantown, Philadelphia. Owners, Kenin & Shapiro, Land Title Building, Philadelphia. Brick, 2 stories, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work, cement work. Work contemplated.

Warehouse, Forge Shed, Boiler House, State road and Rhawn street, Philadelphia. Engineers, William Steele & Son, Fifteenth and Cherry streets, Philadelphia. Owners, Philadelphia Hardware & Malleable Iron Co., Ninth and Jefferson streets, Philadelphia. Warehouse, brick, slow burning, 2 stories, 82x190 feet, forge, steel, 1 story, 140x60 feet, boiler house, brick, 36x37 feet, slag roof, cement floors, electric light. Plans in progress.

Stores (14), Southwest Corner Ninth and

Chestnut streets, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Roberts Realty Co., care of architects. Stone, brick, stucco, 5 stories. Plans in progress.

Health School, K and Hunting Park avenue, Philadelphia, \$1,000,000. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Building, 2 wings, opposite Juniata Park. Site approved. Work contemplated.

Comly School (alts.), Somerton, Pa., \$10,000. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans in progress.

Playground (improvement), Gratz School, Philadelphia, \$25,000. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Work contemplated.

Auto Show Room and Service Station, Frankford, Philadelphia. Architect, C. H. Fries, Frankford and Oxford avenues, Philadelphia. Owner, name withheld. Brick, limestone, 3 stories, 42x125 feet, slag roof, composition and cement floors, elevators, ventilators, copper work, plate glass, tile work, rolled steel sash. Plans in progress. Ready for bids in two weeks.

Apartment House, Northwest Corner Forty-

sixth and Chester avenue, Philadelphia. Owner, Nathan Litman, N. E. Cor. Forty-fifth and Pine streets, Philadelphia. Brick, steel, limestone, 4 stories, 95x108 feet, slag roof, hardwood floors, elevators, metal weather strip, terra cotta, wire work, vapor heat, oil burning, electric light, metal lath, tile work, marble work, ornamental iron work. Owner taking sub-bids.

Apartment House, Northeast Corner Forty-eighth and Osage avenue, Philadelphia. Architect, J. S. Fuller, 20 South Fifteenth street, Philadelphia. Owner, Louis Elgart, 5312 West Berks street, Philadelphia, 5469 Diamond street. Steel, brick, limestone, 4 stories, 110x110 feet, slag roof, hardwood floors, elevators, (2) roof ventilators, metal weather strip, dampproofing, wire work, terra cotta, brass pipe, ornamental iron work, iron stairs, metal lath, brass pipe, ornamental iron work, iron stairs, metal work, tile and marble work, vapor heat, electric light, oil burner. Owner taking sub-bids due April 20th.

Residences (5), Eighty-fourth and Ripley avenue, Philadelphia. Architect, Herman Kline, Bulletin Building, Philadelphia. Owner, name withheld. Brick, steel, 2 stories and basement, 15x44 feet, slag roof, oak and pine floors, hot water heat, electric light, ornamental iron work. Carl F. Hirsch, 1718 Cherry street, Philadelphia, taking sub-bids due as soon as possible.

Residences (32), Mershon and Robbins avenue, Philadelphia. Architect, private plans.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO

TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co. WATERPROOFING ENGINEERS

Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

Owners, Fisher & Eakin, 3908 Poplar street, Philadelphia. Brick, 2 stories, 15x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light, metal lath, tile work, garage in basement. Owners taking sub-bids.

Residences (32), Hale street, Brous and Battersby streets, Philadelphia. Architect, private plans. Owners, Hale Const. Co., care of J. Pomerantz, Fox Building, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, cement floors, hardwood floors, electric light, hot water heat, metal lath, tile work, garage in basement, enclosed brick porches. Owners ready for sub-bids in two weeks.

Factory Building, Thirteenth and Washington avenue, Philadelphia. Engineers, William Steele & Son, Fifteenth and Cherry streets, Philadelphia. Owners, National Licorice Co., 106 Johns street, Brooklyn, N. Y. Reinforced concrete, steel, 3 stories and basement, 137x144 feet, slag roof, cement floors, elevators, steam heat, electric light, rolled steel sash. Plans in progress. Engineers will build.

Locker Building, Hunting Park, York road, Nicetown, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Fairmount Park Commission, 127 City Hall. Owners taking bids due April 26th, 3 P. M.

Building, Belmont, Conshohocken and Woodbine avenues, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Philadelphia Home for Incurables, Forty-eighth and Woodland avenue, Philadelphia. Stone, cut stone, reinforced concrete, steel, granite, limestone, 4 stories and basement, 800x42 feet (plumbing, heating, electric elevators, sprinklers separate), slag and slate roof, composition and cement floors, hollow tile, roof ventilators, integral waterproofing, cinder concrete block, area gratings, ornamental iron work, iron stairs, bond, hollow metal, kalamein and tin-clad doors, rolled steel sash, tile, marble and terrazzo work, metal lath, caulking, metal partitions, linoleum, ornamental plaster. Architect taking bids due April 21st.

Apartment House, Office Building, 735 Walnut street, Philadelphia. Architect, P. S. Bennett, Southampton, Pa. Owner, A. C. Jaeger, care of architect. Brick, steel, 4 stories and basement, 20x94 feet, slag roof, rubber floors, steam heat, electric light, metal lath, tile work, rolled steel sash. Architect taking bids due April 14th.

Building, 3913-15 Spruce street, Philadelphia. Engineers, Haupt Co., Ninth and Walnut streets, Philadelphia. Owner, H. T. Ryan, care of engineers. Brick, limestone, steel, 4 stories and basement, 40x155 feet, slag roof, cement and oak floors, vapor heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash. Engineers taking sub-bids due April 15th.

Store (alts.), Northwest Corner Twelfth and Market streets, Philadelphia. Architect, H. G. Mitchell, Superintendent of Construction, 44 West Eighteenth street, New York. Owners, United Cigar Store, 44 West Eighteenth street, New York. Plastering, plumbing, electric work, repairs to tile floors, metal ceiling, painting, plate glass, hardware. Owners taking bids due as soon as possible.

Residence and Store (alts. and add.), 2353 North Fifth street, Philadelphia. Architects, William F. B. Koelle and L. H. Goettelman, 112 South Sixteenth street, Philadelphia. Own-

er, Herman A. Poedler, 2336 North Fifth street, Philadelphia. Bond, shoring, demolition, cement, stone, concrete, brick work, steel and iron work, slag roof, metal lath, tile work, plastering, carpentry and mill work, hardware, painting and glazing, plumbing, iron pipe, electric light, stanco wall tile. Architect and owner taking bids due April 15th.

Store (alts.), 1501 Walnut street, Philadelphia. Architect, H. G. Mitchell, 44 West Eighteenth street, New York. Owners, United Cigar Stores Co., 44 West Eighteenth street, New York. Owners taking bids due as soon as possible. Plastering, plumbing, electric work, repairs to floor, metal ceiling, painting and glazing, glass, hardware.

Hospital (add.), Broad and Fitzwater streets, Philadelphia. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Women's Southern Homeopathic Hospital, on premises. Brick, reinforced concrete, cut stone, steel, 4 stories and basement, 65x42 feet, slag roof, cement and composition floors, hollow tile, plumbing, metal window guards and weather strip, dampproofing, architectural terra cotta, steel stacks, wrought iron pipe, ornamental iron work, floor hardener, bond, tin-clad and hollow metal doors, rolled steel sash, tile work, metal lath, electric light, steam heat, hollow metal partitions, steel stack. Architect taking bids due April 18th at noon.

Elementary School, Pratt and Mulberry streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: McCloskey Co., 1620 Thompson street, Philadelphia, \$379,780; William Langhorne Co., 10 South Eighteenth street, Philadelphia, \$389,480. Electric, Enterprise Electric Co., 239 South Tenth street, Philadelphia, \$8,586. Ventilating, Gerbrick & Kauffman, 44 North Second street, Philadelphia, \$1,393. Heating, McClintock & Co., 56608 Race street, Philadelphia, \$37,295. Plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$27,697.

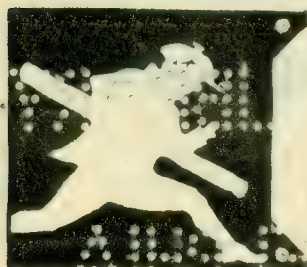
Residences (26), South side Van Kirk street, East of Frotenac street, Philadelphia, \$144,000. Architect, private plans. Owners, P. J. & J. T. Whelan, 432 Bankers' Trust Building, Philadelphia. Brick, 2 stories, 20x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Stores (11), Ogontz avenue, North of Widener Place, \$60,000. Architect, private plans. Owner, S. S. Brenner, 1701 Widener Place, Philadelphia. Brick, 2 stories, 16x36 feet, 13x17 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (6), 326-36 Hartel street, Philadelphia, \$24,000. Architect, private plans. Owner, John Betz, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, Northeast Corner Sixty-third and Malvern streets, Philadelphia, \$15,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x15 feet, slag roof, cement floors, electric work. Permit issued.

Residence, 7213 Van Dyke street, Philadelphia, \$5,800. Architect, private plans. Owner, M. Formaro, 7230 Van Dyke street, Phil-



Good Work

BLUE PRINT SHOP

Quick Service

Bell Phone
Rittenhouse 5693

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



adelphia. Brick, 2 stories, 16x55 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (29), Island road, South of Theodore street, and Passyunk avenue, West of Seventy-third street, Philadelphia, \$117,000. Owners, Modern Const. & Realty Co., 31 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 18x32 feet, slag roof, hardwood and pine floors, electric light. Plans filed.

Stanley Theatre, Southwest Corner Nineteenth and Market streets, Philadelphia, \$12,000. Owners, Stanley Co. of America, 1916 Race street, Philadelphia. Cooling system. Permit issued.

Earle Theatre, Southeast Corner Eleventh and Market streets, Philadelphia, \$10,000. Owners, Stanley Co. of America, 1916 Race street, Philadelphia. Cooling system. Permit issued.

Garage, East side Fairhill street, West of Wingohocking street, Philadelphia, \$4,000. Architect, private plans. Owner, F. V. Schubert, 4458 North Reese street, Philadelphia. Brick, 1 story, 108x32 feet, slag roof, cement floors, electric light. Permit issued.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Owners taking bids due April 14th, noon. Certified check, 5 per cent. Improving Frankford avenue, Longshore to Welsh road, grading, asphalt paving, paving; Chester avenue and Torresdale avenue, asphalt repaving, redressed granite block repaving.

Residences (2), 1917-19 Loney street, Philadelphia, \$8,000 total. Architect, private plans. Owner, Jacob Gaertner, 8315 Pine road, Philadelphia. Brick, frame, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Emerson street, West of Ridgway, Philadelphia, \$3,800. Architect, private plans. Owner, Max Wilkie, Fox Chase, Philadelphia. Frame, 1 story, 24x37 feet, hot water heat, electric light, pine floors. Permit issued.

Store and Storage, 1944 South Sixtieth street, Philadelphia, \$2,800. Architect, private plans. Owner, Peter F. Maloy, 6001 Kingsessing avenue, Philadelphia. Brick, 2 stories, 30x30 feet, 15x13 feet. Permit issued.

Stores and Residences (4), Frankford avenue, North of Meridian street, \$20,500. Architect, private plans. Owners, Steinman & Lesse, 25 South Fifty-ninth street, Philadelphia. Brick, 2 stories, 16x29 feet, slag roof, pine floors, electric light. Permit issued.

Residences (2), Summit avenue, East of Ridge avenue, Philadelphia, \$10,000. Architect, private plans. Owner, H. C. Missimer, 8012 Ridge avenue, Philadelphia. Stone, brick,

1 story, 16x41 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences (2), South side Fuller street, East of Ferndale street, Philadelphia, \$8,400. Architect, private plans. Owner, J. Carroll Moerk, 816 East Fuller street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Disston street, West of Frontenac street, Philadelphia, \$5,000. Architect, private plans. Owner, Elmer Halione, 3464 Frankford avenue, Philadelphia. Stone, 1 story, 28x55 feet, electric light. Permit issued.

Residences (55), Charles, Bill, Hawthorn and Sanger streets, Philadelphia, \$183,100. Architect, private plans. Owner, James A. Kincaid, 216 Ledger Building, Philadelphia. Brick, 2 stories, various sizes, slag roof, pine floors, electric light. Plans filed.

Residences (49), Brighton street, East of Crispin street, Philadelphia, \$222,500. Architect, private plans. Owner, Carl A. Mayer, 235 West Olney avenue, Philadelphia. Brick, 2 stories, 16x27 feet 6 inches, 12 feet 9 inches x 12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (29), North side Passyunk avenue, West of Seventy-third street, \$117,000. Architect, private plans. Owners, Modern Const. & Realty Co., 31 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 18x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (23), South side Nedro avenue, East of Twentieth street, \$116,000. Architect, private plans. Owner, John Batemen, 5601 North Sixteenth street, Philadelphia. Brick, 2 stories, 14x28 feet, 11x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (27), East side N street, North of Bristol street, Philadelphia, \$108,500. Architect, private plans. Owners, Kuzinsky & Feinstein, 2627 South Sixth street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (27), Bleigh street, East of Leon street, Philadelphia, \$95,000. Architect, private plans. Owners, Steinman & Lesse, 25 South Fifty-ninth street, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine floors, electric light. Permit issued.

Apartment Houses (2), Northwest Corner Forty-seventh and Walnut streets, Philadelphia, \$400,000. Owners, Steinman & Lesse, 25

South Fifty-ninth street, Philadelphia. Brick, 4 stories, 44x67 feet, 113x33 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Permit issued.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Paving, Franklin street, Johnson to Bigler, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$12,122.28. Grange street, Conlin to Conlin, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$9,653.80. Addington street, Fifty-seventh to Fifty-ninth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$8,089.43. Loretta street, Bridge to Sanger street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$11,874.35. Redress granite block, Roxborough avenue, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$3,756. Dover street, Stiles to point North, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$2,813.43. Ellsworth, Passyunk to Ninth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$9,725.03. Harmony street, Gray's Ferry to Reed street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$9,048.06. Holly street, Haverford avenue, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$19,076.75. Hunting Park avenue, Germantown to York road, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$24,125.55. Hunting Park avenue, Twenty-second to Germantown avenue, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$29,603.90. Rochelle street, Manayunk to Northeast Retta street, Eastern Asphalt Co., 1600 Arch street, Philadelphia, \$21,823.10. Thompson, Third to Sixth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$13,649. C street, North of Boulevard, to Sheldon street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$11,031.65. Camac street, Nedro to Spencer street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$36,395.15. Champlost, Fifth to Sixth, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$29,367.05. Wyncote avenue, Limekiln pike, Ogontz avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$22,305. Paving, Sixty-fifth avenue, Seventeenth to Eighteenth, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$6,085.25. Sixty-eighth, Dicks to Dorrell, Sixty-ninth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$11,083.20. Silverwood, Belmore to Fountain street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$1,896.24. Aramingo, Westmoreland to Ontario, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$20,677.91.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

You cannot afford to use a LEVEL BOARD and PLUMB BOB for leveling FOUNDATIONS. ONE ERROR may cost you

many times the price of a

"Weilco" Combined Transit and Level

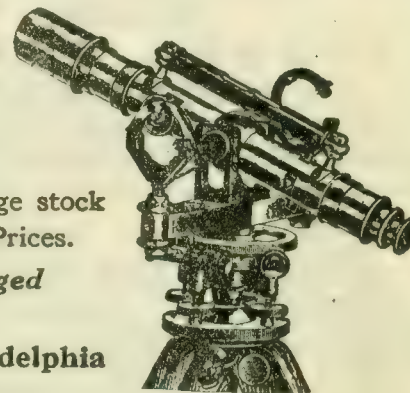
Change from Level to Transit in five seconds

Write or Phone (Locust 5750), for Particulars. We have a large stock of Rebuilt Engineers' Transits and Levels at greatly Reduced Prices.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



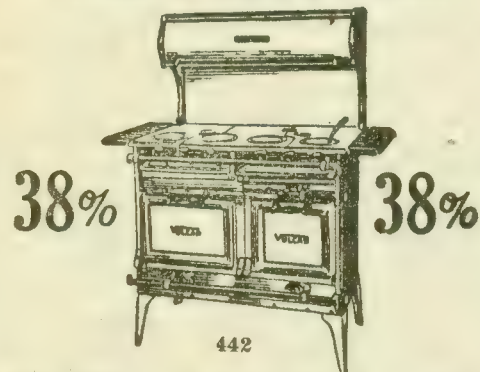
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

532 WIDENER BUILDING

BELL TELEPHONE—RITTENHOUSE 2823

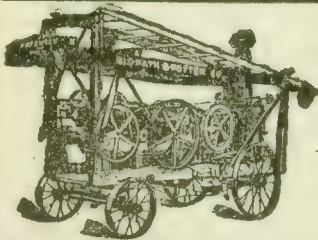
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

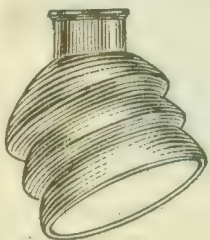
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Buehler street, Biegler street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$10,315.62. Grading, Tulip, Ontario to Tioga, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$10,017.45. Rising Sun avenue, Curtis Brod, State road, Philadelphia, \$1,790. Fifty-ninth, Elmwood, Theodore street, United Paving Co., Real Estate Trust Building, Philadelphia, \$1,970.25. Lycoming, Hunting Park, M street, Eastern Paving Co., Pennsylvania Building, Philadelphia, \$7,392. Lower street, Eastern Paving Co., Pennsylvania Building, Philadelphia, \$7,229.21. Musgrave street, Price to Cheltenham avenue, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$13,788.15. Upland Way, Fifty-seventh to Malvern avenue, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$36,462.73. Alma street, Comly to Devereux street, S. C. Rotzell, Limekiln and Haines street, Philadelphia, \$9,387.51. Anchor street, Aramingo to Fitman, Duffin Brothers, 1623 East Lycoming avenue, Philadelphia, \$11,807. Borbeck street, Large to Bustleton, Chandler to Lancey, S. C. Rotzell, Limekiln and Haines street, Philadelphia, \$6,109.69. Indian Queen Lane, Faux to Henry street, Root Brothers, 625 Walnut lane, Philadelphia, \$11,895.50. Loudon street, Tampa to Whitaker avenue, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$21,051.38. Ditman, Ashbourne to Wingate street, Curtis Brothers, State road, Philadelphia, \$8,075. Godfrey avenue, Seventeenth to Medark avenue, Morrissey Brothers, 4345 North Seventh street, Philadelphia, \$19,075.31. Hofnagle avenue, Castor road to Summerdale avenue, Duffin Brothers, 1623 East Lycoming avenue, Philadelphia, \$11,905.56. Furnishing asphalt paving mixtures, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$57,750. Reconstruction of Baltimore Avenue Bridge, M. & J. B. McHugh, 803 North Markoe street, Philadelphia, \$18,981; Mundy Paving Co., 226 South Warnock street, Philadelphia, \$19,892. Cleaning and painting Hunting Park Avenue Bridge, Mundy Paving Co., 226 South Warnock street, Philadelphia, \$3,280. Granite block paving, Alter street, Twentieth to Twenty-first, J. S. Mulvucci, 512 North Sixty-fifth street, Philadelphia, \$3,750.25. Catherine street, Front to Passyunk avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$24,296.85. Davis street, Crescent to Boone, United Paving Co., Real Estate Trust Building, Philadelphia, \$4,046.30. Fairmount avenue, Forty-second to Holly street, United Paving Co., Real Estate Trust Building, Philadelphia, \$2,625.60. Ransstead, Seventh to Eighth, C. G. Centrone, Bailey Building, Philadelphia, \$3,106.40. Eleventh street, Susquehanna to York, Frank H. Ca-

nuso & Son, 804 South Twelfth street, Philadelphia, \$14,112.60.

Nurses' Home, Philadelphia Hospital, Thirty-fourth and Pine streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Works, Bureau of Hospitals, Philadelphia. Low bidders: D. Lutz & Co., Twenty-third and Chestnut streets, Philadelphia, \$348,700; J. B. Kelly, 2315 Walnut street, Philadelphia, \$376,425. Electric, Electro Const. Co., Commercial Trust Building, \$15,980. Plumbing, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$63,333. Heating, Combustion Equipment & Eng. Co., 2130 Locust street, \$32,382.

Sewage Disposal Project, Upper Delaware Collecting Sewer. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Low bidders on complete job. Tunnel, Mason & Henger Co., 4975 Broadway, New York, \$5,604,750; Patrick McGovern, Inc., 3427 North Broad street, Philadelphia, \$6,387,165. Open cut: P. E. Connolly, Boston, Mass., \$6,996,085; Jaffola & Mark, Cranford, East of Oxford pike, Philadelphia, \$6,341,205.

Christian Association Building, Thirty-sixth and Locust Streets, Philadelphia. Architect, Thomas Martin and Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owner, Christian Association, University of Pennsylvania, on premises. Brick, cut stone, reinforced concrete, steel, 3 stories and basement, 120x80 feet, built up roof, slate roof, cement and oak floors, hollow tile, roof ventilators, metal ceilings, architect terra cotta, flagstone, cast stone, incinerators, rubber tile, slate work, rubberstone, metal toilet partitions, morene wall finish, plumbing, hardware, dumbwaiters, area gratings, iron work, iron pipe, floor hardener, bond, tile, marble and terrazzo work, metal lath, electric light, steam heat. Cramp and Company, Denckla Building, Wark and Company, 1600 Walnut street, Philadelphia, will figure on revised plans.

Miscellaneous Work, Philadelphia. Owner, Department of Public Work, Bureau of Engineering, 216 City Hall. Owner taking bids due April 20th at noon. Certified check 5%. A, Main Sewer, Tioga and G streets; B, Sewage Disposal Project, outdoor electric substation, S. W. S. T. Island and Penrose Ferry Road. Grading and Planting, N. E. S. T. Wheatshaf Lane, Philadelphia.

Supplies, Philadelphia. Pur. Agent, E. J. Lafferty, 312 City Hall, Philadelphia. Owner taking bids due April 21th. Certified check 5%. No. 193, asphalt concrete paving material, Nos. 194-195, equipment.

Apartment House, South side Sansom St., west of 5th street, Philadelphia. Architects, Stetler and Deysher, 709 Chestnut street,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Philadelphia, \$140,000. Owner, Harry Bobb, 6232 Cedar Ave., Philadelphia. Brick, 4 stories, 122x87 feet, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Plans filed.

Service Station, Northwest corner German-town and Abington Avenues, Philadelphia, \$12,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x6 feet 1 inch. Permit issued.

Manufacturing Building (add. and alts.), 43 North Seventh street, Philadelphia, \$6,000. Architect, private plans. Owner, L. Chere, 2464 North Patton street, Philadelphia. Brick, 2 stories addition, 17x53 feet, general alterations. Permit issued.

Residences and Basement, Garages (21), 11th and Spencer streets, Philadelphia. Owner, Harry J. Altman, 5949 Pine street, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Work contemplated.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building, Seventeenth and Indiana avenue, Philadelphia. Architect, Andrew J. Sauer Co., Schaff Building, Philadelphia. Agent, Joseph Bernhard, Thirteenth and Chestnut streets, Philadelphia. Lessee, Fiske Rubber Co., care of architect. Reinforced concrete, brick, steel, 1 story and basement, 152x65 feet, slag roof, cement floors, metal lath, rolled steel sash and skylights, steel fire doors, bond, ornamental iron work, metal toilet partitions, area gratings. Contract awarded J. Schnabel, Inc., Abbott Building, Philadelphia.

Store and Office Building, 2209 Chestnut street, Philadelphia. Architect, Richard A. Kerns, Jr., 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Brick, concrete, cut stone, steel, 3 stories and basement, 40x75 feet, slag roof, oak, pine and cement floors, steam heat, electric light, metal lath, kalamein doors, bond, ornamental iron work, plumbing, plastering, painting and glazing, mill work. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Church (superstructure), Wyoming avenue near A street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Wyoming Avenue Baptist Church, on premises. Stone, brick, concrete, steel, 1½ stories, green slate roof, composition and maple floors, plumbing (heating reserved), electric light, metal lath, tile work, marble work, cast stone, iron pipe. Contract awarded Thomas C. Trafford, 2339 North Fifteenth street, Philadelphia.

Residence, Twelfth and Sixty-sixth avenue, Oak Lane, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Russell M. Hanscom, 6604 North Eleventh street, Philadelphia. Stone, 2½ stories and basement, irregular in size, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, plumbing, iron pipe, linoleum floors. Contract awarded John Schnabel, Inc., Abbott Building, Philadelphia.

Apartment House, Southeast Corner Sixty-third and Walnut streets, Philadelphia. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owner, L. M. Lifter, Jefferson Building, Philadelphia. Brick, cast stone, steel, reinforced concrete, 9 stories and basement, 200x100 feet, irregular, built-up roof, oak, pine and cement floors, hollow tile,

elevators, metal weather strip and ceilings, dampproofing, cast stone, wall finish, incinerator, area gratings, iron pipe, ornamental iron work, iron stairs, bond, fire, kalamein and hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat, composition baseboard, ornamental plaster, plumbing, kitchen cabinets, refrigerators. Contract awarded Armstrong & Latta, 1926 Sansom street, Philadelphia.

Residence, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Dr. George Woodward, Chestnut Hill, Pa. Stone, 2½ stories and basement, 44x54 feet, slate roof, oak and pine floors, tile work, metal lath, electric light, hot water heat, bond, ornamental iron work. Contract awarded Townsend, Schroeder & Wood, Drexel Building, Philadelphia.

Convent, Holmesburg, Philadelphia. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Dominic's Roman Catholic Church, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Stone, 3 stories and basement (plumbing and heating reserved), electric work, metal lath, rolled steel sash, bond, ornamental iron, Bangor slate roof, pine and cement floors, integral waterproofing, membrane waterproofing, canvas floors, celotex sheathing. Contract awarded to Cody Const. Co., 4627 Frankford avenue, Philadelphia.

Garage, Sixteenth and Allegheny avenue, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, name withheld. Brick, slow burning, 1 story, 50x100 feet, asphalt roof, cement floors, plumbing, unit heat, electric light. Contract awarded

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO
DAISY, TENN.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

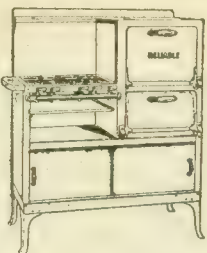
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ber
19 W

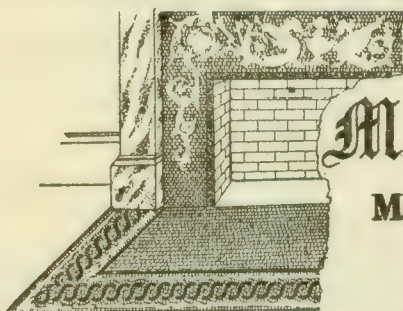
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

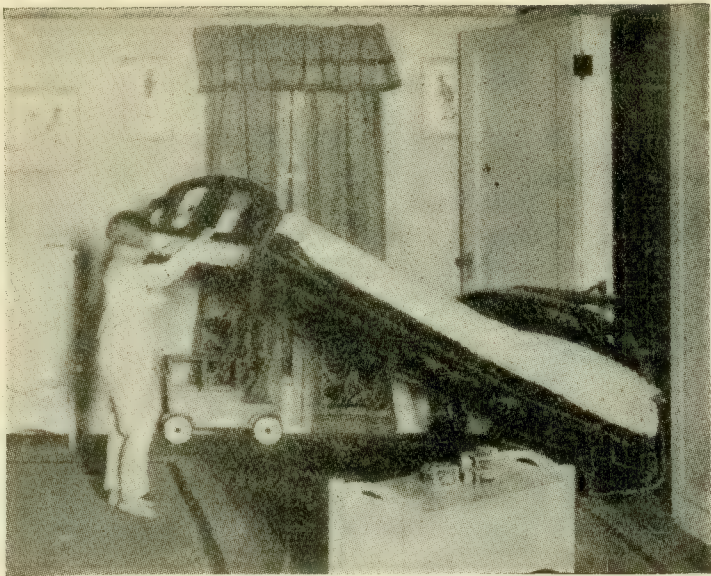
STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

EDS

nes
ngs

all at our
n kitchen
boards as
eds

CO.
Building
14th Street
York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.

and the concrete is spalling
topped by the application

s it prevent moisture
so covers the surface
es flat. It does not
e masonry.



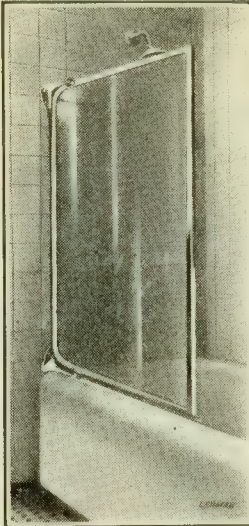
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

Northern Const. Co., Fifth and Fisher's avenue, Philadelphia.

Mill Building, Flat Rock road, North of Leverington road, Philadelphia. Architect, private plans. Owner, William Spink, on premises. Brick, steel, concrete, 3 stories, 108x23

BELZ-PARR, INC.

Architectural Cast Cut Stone Department

GRANITE
LIMESTONE
GRAYSTONE

Office and Factory

344 Haddon Avenue

WESTMONT, N. J.

Bell, Collingswood 1788

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

feet, 75x30 feet, slag roof, plank floors, freight elevator, fire tower, steam heat, electric light, rolled steel sash, fire doors, rolling steel doors, iron work. Contract awarded H. T. Brown, 6100 Ridge avenue, Philadelphia.

Manufacturing Building, Northwest Corner Twenty-fifth and Oakford streets, Philadelphia, \$135,000. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, C. E. Anders, care of architect. Brick, steel, slow burning, 1 story, 60x180 feet, slag roof, composition floors, sprinklers, electric, plumbing, steam heat, structural steel, fire doors. Contract awarded to Wark Co., 1600 Walnut street, Philadelphia.

Warehouse, West side River road, North of Umbria street, Philadelphia, \$50,000. Architects, The Devore Co., Toledo, O. Owners, Container Corp. of America, on premises. Brick, steel, concrete, 1 story and basement, 50x480 feet, slag roof, cement floors, rolled steel sash, ornamental iron. Contract awarded East Eng. Co., 311 Ross St., Pittsburgh, Pa.

Building, Park avenue and Melon street, Philadelphia, \$11,000. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owners, Peerless Printing Ink Co., 626 North Thirteenth street, Philadelphia. Brick, structural steel, 3 stories and basement, 20x60 feet, slag roof, steam heat, plumbing, sheet metal work, wood floors, painting and glazing, steel sash. Contract awarded to A. V. Gilchrist, Drexel Building, Philadelphia.

Franklin Field Stadium (alts.), Thirty-third and Spruce streets, Philadelphia. Architect, private plans. Owners, University of Pennsylvania, Department of Buildings and Grounds, Thirty-fourth and Spruce streets, Philadelphia. Concrete work, iron gates and grills, metal screens and frames, ticket booth (alts.) and painting. Contract awarded Monaghan & Losse, 3016 Chestnut street, Philadelphia.

Apartment House, 6445 Greene street, Philadelphia. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, steel, 2 stories and basement, 190x180 feet, slag roof, oak and pine floors. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Residence, Southwest Corner Boyer and Haines streets, Philadelphia, \$15,000. Architect, private plans. Owner, Jerry Frontenator, 225 East Price street, Philadelphia. Brick, 3 stories, 30x41 feet, hardwood and pine floors, electric light, tile work, hot water heat. Contract awarded to John H. Frith, 5817 Osceola street, Philadelphia.

Residence, 7935 Frankford avenue, Philadelphia, \$9,000. Architect, private plans. Owner, George Henkel, 7935 Frankford avenue, Philadelphia. Brick, 2 stories, 37x34 feet, hardwood and pine floors, hot water heat,

electric light. Contract awarded to C. Day, 3504 Rhawn street, Philadelphia.

Residence, Northwest Corner Decatur and Jackson streets, Philadelphia, \$7,500. Architect, private plans. Owner, Samuel Stokes, Jr., on premises. Frame and brick, 2 stories, 25x33 feet, 20x11 feet, hardwood and pine floors, electric light. Contract awarded to C. Day, 3504 Rhawn street, Philadelphia.

Store, South side Bleigh street, West of Palmetto street, Philadelphia, \$6,000. Architect, private plans. Owner, Austin Hogg, 7350 Palmetto street, Philadelphia. Brick, 1 story, 19 feet 6 inches x 40 feet, slag roof, pine floors. Contract awarded to George Krewson, 330 Franklin avenue, Cheltenham, Pa.

Garage, 632-34 Mercy street, Philadelphia, \$3,500. Architect, private plans. Owner, Sarah Goldstein, 633 Snyder avenue, Philadelphia. Brick, 1 story, 30x50 feet, slag roof, cement floors. Contract awarded to Dave Goldman, 5376 Montgomery avenue, Philadelphia.

Store, 3059 Amber street, Philadelphia, \$3,000. Architect, private plans. Owner, C. Bauer, 3061 Amber street, Philadelphia. Brick, 1 story, 14x30 feet, slag roof, pine floors. Contract awarded to John Enoch, 3059 Agate street, Philadelphia.

Garage, 1341 North Front street, Philadelphia, \$5,000. Architect, private plans. Owner, Charles W. Cain, 115 West Girard avenue, Philadelphia. Brick, 1 story, 20x100 feet, slag roof, cement floors, electric work. Contract awarded to E. E. Bratton, 4527 Walnut street, Philadelphia.

Residences (add.), Office, Southeast Corner Cheltenham and Discher streets, \$2,000. Architect, private plans. Owner, Joseph Discher, on premises. Brick, 1 story add., 14x21 feet. Contract awarded to Joseph L. Bradley, 4516 Paul street, Philadelphia.

Residence and Store (add.), 4030 Market street, Philadelphia, \$2,000. Architect, private plans. Owner, L. Ginsburg, on premises. Brick, 1 story add., 28x13 feet 6 inches. Contract awarded to Geiger & Son, 4659 Market street, Philadelphia.

Apartment Building, Southwest Corner Rockland and Carlisle streets, Philadelphia, \$45,500. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia, Pa. Owner, M. Wolfman, 4602 North Warnock street, Philadelphia. Brick, 3 stories, 35 feet 8 inches x 83 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Plans filed. Contract awarded to H. Alterman, 2731 West Somerset street, Philadelphia.

Machine Shop (add.), 1002 Spring Garden street, Philadelphia, \$15,000. Owners, Union Transfer Co., on premises. Brick, second story add., 39x112 feet. Contract awarded to F. Jasperman, 2821 Richmond street, Philadelphia.

Residence, Southwest Corner Solly avenue and Large street, Philadelphia, \$12,000. Architect, private plans. Owner, J. W. Woller, 3014 Kensington avenue, Philadelphia. Frame, 2

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

stories, 32x27 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to A. Earl Barnes, 2044 East Clementine street.

Garage (add.), 3646 Old York road, Philadelphia, \$10,000. Architect, private plans. Owner, Mrs. C. Weber, 4246 North Broad street, Philadelphia. Brick, 1 story, 40x88 feet, slag roof, cement floors. Contract awarded to Charles T. Clarke, Germantown and Sedgley avenues.

Residence, North side Princeton avenue, West of Castor road, \$7,000. Architect, private plans. Owner, George E. Williamson, 814 East Thayer street, Philadelphia. Brick, 2 stories, 23x33 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to F. M. De Martins, 357 East County Line road, Ardmore, Pa.

Residence (add. and alts.), 5640 North Mascher street, Philadelphia, \$7,000. Architect, private plans. Owner, Lawrence Lankford, on premises. Brick, 1 story add., 21x11 feet, general alterations. Contract awarded to Charles T. Clarke, Germantown and Sedgley avenues.

Residence, North side Grant avenue, West of Clarke street, Philadelphia, \$4,000. Architect, private plans. Owner, John Henning, Bustleton, Pa. Frame, 2 stories, 24x26 feet, pine floors, hot water heat, electric work. Contract awarded to B. Harold Worthington, Bustleton, Pa.

Garage, 2073-75 East Arizona street, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. H. M. Kuehner, 2174 East York street, Philadelphia. Brick, 1 story, 27x22 feet, slag roof, cement floors, electric work. Contract awarded to A. Earl Barnes, 2044 East Clementine street.

Gas Station, Northeast Corner Nineteenth and Ogontz avenue, Philadelphia, \$3,000. Owner, A. S. Lipschutz, 5021 North Broad street, Philadelphia. Brick, 1 story, 16x19 feet. Contract awarded to A. R. Raff Cont. Co., 1635 West Thompson street.

Garage, 4305 Comly street, Philadelphia, \$2,000. Architect, private plans. Owner, Joseph James, on premises. Brick, 1 story, 19x80 feet, slag roof, cement floors, electric work. Contract awarded to Louis Dietrich, 6948 Torresdale avenue, Philadelphia.

Residences (2), West side Levick street, North of Palmetto, \$11,000 total. Architect, private plans. Owner, Joseph Matulis, 509 Levick street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, electric light. Contract awarded to Edward Geschwent, Mt. Ephraim, N. J.

Shooting Gallery, South side Ford road, East of Monument avenue, \$2,600. Owners, Woodside Real Estate Co., on premises. Steel frame, 1 story, 35x43 feet. Contract awarded Humphreys & Co., Frankford and Torresdale avenues.

Generator and Electric Equipment, Lardner's Point Pumping Station. Owners, Department of Public Works, Bureau of Engineering, City Hall. Contract awarded I. Newmark & Brother, 1814 Ludlow street, Philadelphia.

Residence, North side Wigard street, R. of Ridge Ave., Philadelphia, \$15,000. Architect, private plans. Owner, James S. Page, Spring Mill Ave., Conshohocken, Pa. Stone and frame, 3 stories, 24 x 38 feet, hardwood and

pine floors, tile work, electric light. Contract awarded to Adam Wilkinson, 439 Harmon Road, Philadelphia.

Residence, 1636 Harrison St., Philadelphia, \$7,000. Architect, private plans. Owner, Fernando Frassetto, on premises. Brick, 2 stories, 16x32 feet, slag roof, hardwood and pine floors, electric light. Contract awarded to Nick Pody, 5023 North street, Philadelphia.

Interior (alts. and add.), 242 N. 13th St., Philadelphia. Architect, private plans. Owner, Quaker City Artificial Limb Co., on premises. Brick, 2 stories, 18x100 feet, cement work, carpentry and millwork, electric work, metal bulks, plate glass. Contract awarded Turnbull & Cornell, 15 South 21st street, Philadelphia.

Pennsylvania Construction News

Residence, Gulf Mill, Pa. Architect, Wm. F. B. Koelle, Otis Bldg., Philadelphia. Owner, C. E. Mildren, 1620 Spruce street, Philadelphia. Brick, frame, stucco, 2 stories, 26x36 feet shingle roof, hardwood floors, hot water heat, electric light, tile work, basement garage. Plans in progress.

Residence, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Mrs. Millie Urner, 333 Yost avenue, Spring City, Pa. Brick, 1½ stories, 22x28 feet, asbestos shingle roof, oak floors, bath fixtures, Morgan doors, wood sash, tile work (heating, plumbing and electric reserved). Plans in progress.

Club House, West High street, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Polish American Citizen's Club, A. B. Rainszewski, chairman, Building Committee, 135 High street, Phoenixville, Pa. Brick, stone, 1 story and basement, 32x64 feet, asphalt shingle roof, hardwood, pine and cement floors, wood sash, Morgan and fire doors, bond (heating, plumbing and lighting reserved). Plans in progress.

Wagon Building, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Ziegler Dairy Co., Third and Washington streets, Reading, Pa. Cinder block, 1 story, 40x92 feet, composition roof, concrete and tarvia floors, electric light, steel sash. Plans in progress.

School and Convent, Newtown, Bucks County, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, D. Cardinal Dougherty, care of Rev. J. F. Brady, Newtown, Pa. Brick, 1 and 2 stories, 58x28

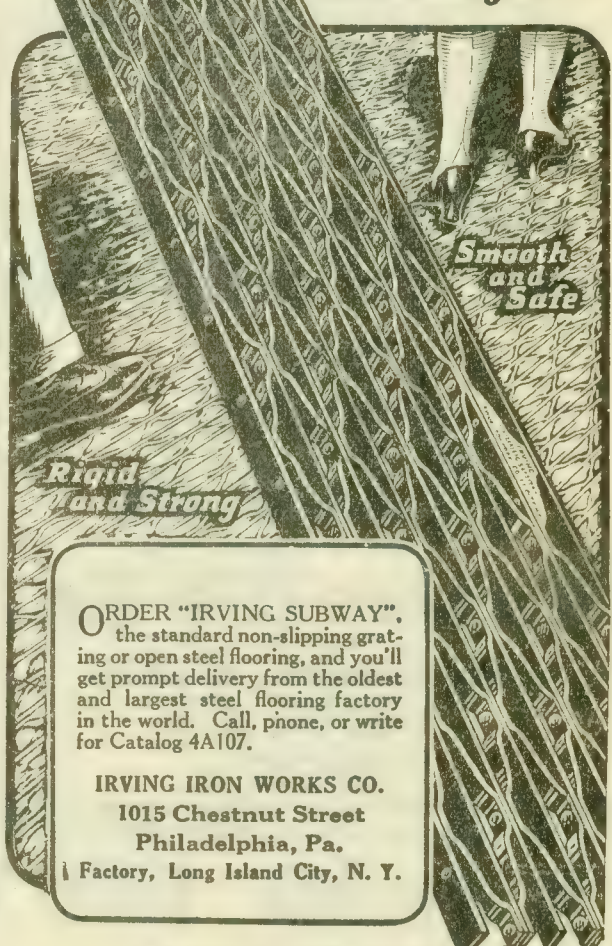
feet, 30x45 feet, slate or slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Mrs. John M. Frame, 301 Windsor street, Reading, Pa. Brick, stone, stucco, 2½ stories, 35x65 feet, slate roof, hardwood floors, hot water heat (heating, plumbing, electric reserved), tile work, flagstone. Revised plans in progress.

Store Building (alts. and add.), Hazleton, Pa. Architects, Knapp & Bosworth, Town Hall Building, Wilkes-Barre, Pa. Owners, The Leader Store, Louis Roman, manager, Hazleton, Pa. Brick, 2 stories. Plans in progress.

Store (add. and alts.), Main and North-

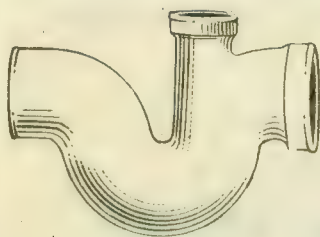
*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**



**When you want Prompt Service, Intelligent Co-operation and Reliable
SEWER PIPE, FLUE LINING, WALL COPING
CALL—COLUMBIA 6526-6527. PARK 4981**

William H. Clausen
27th and Diamond Streets, Philadelphia

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

ampton streets, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, Town Hall Building, Wilkes-Barre, Pa. Owners, Wilkes-Barre Dry Goods Co., C. H. Lowe, 11 South Main street, Wilkes-Barre, Pa. Brick. Plans in progress.

Bank (add. and alts.), Scranton, Pa. Architects, Morgan, French Co., 19 East Forty-fourth street, New York. Owners, Anthracite Trust Co., J. F. Mears, president, 148 Washington avenue, Scranton, Pa. Brick, 1 story add. Plans in progress.

High School, Paradise Township, Lancaster County, Pa. Architect, H. Y. Shaub, 20½

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof

Call Lansdowne 2467 W

WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

North Queen street, Lancaster, Pa. Owners, Paradise Township School Board, E. W. Denlinger, secretary, Paradise, Pa. Brick, 1 story, 130x120 feet. Preliminary plans in progress.

Residences (2) and Garage, 7403-05 Bond avenue, Bywood, Pa., \$12,000. Owner, J. E. Powell, 7440 Miller avenue, Bywood, Pa. Frame, stucco, 2 stories, 17x36 feet, hot water heat, shingle roof, hardwood floors, electric light, tile work, cinder concrete block. Owner will build.

Residence and Garage, 719 Mason avenue, Drexel Hill, \$7,000. Owners, Wilson & Haines, 243 North Sixty-third street, Philadelphia. Brick, frame and clapboard, 2 stories, 34x25 feet, 18x18 feet, shingle roof, hardwood floors, hot water heat, tile work, electric light. Owners will build.

Residence and Garage, 733 Foss avenue, Drexel Hill, Pa., \$6,000. Owners, Sheldrake Brothers, 2029 North Twelfth street, Philadelphia. Frame and stucco, 2 stories, 35 feet 6 inches x 24 feet 7 inches, garage, 14x18 feet, shingle roof, hardwood floors, hot water heat, electric light. Owners will build.

Laundry Building, Germantown, Pa. Architect, S. D. Milner, 1616 Frankford avenue, Philadelphia. Owner, name withheld. Brick, 2 stories, 80x80 feet, 1 story, 38x75 feet, slag roof, saw-tooth construction, cement floors, electric light, rolled steel sash. Architect taking sub-bids.

School and Auditorium, Mahanoy Plane, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Holy Rosary Church, Rev. P. J. Fleming, Mahanoy Plane, Pa. Steel, frame, 2 stories, 93x55 feet, composition roof, maple floors, steam heat, electric light. Architect taking bids.

Store and Apartment (add. and alts.), Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, C. Solomon, 32 North Main street, Shenandoah, Pa. Frame, 2 and 3 stories, general interior alterations. Owner will build.

Residence and Garage, Reading, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, Henry Spaar, 1057 North Eleventh street, Reading, Pa. Stone, 2½ sto-

ries, 35x66 feet, 23x23 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect ready for bids.

Sunday School (add. and alts.), Danville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Trinity Lutheran Church, Rev. E. R. Leisey, Danville, Pa. Brick, stone, 2 stories and basement, slate roof, hardwood floors, electric light. Owners ready for bids.

Double House, Schuylkill Haven, Pa. Architect, Harry Maurer, 234 North Fifth street, Reading, Pa. Owners, S. B. Keeler and H. E. Swayberger, Schuylkill Haven, Pa. Stone, timber, 2½ stories, 48x60 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owners ready for bids.

Store and Apartment (add. and alts.), Shenandoah, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, I. Aranoff, 132 South Main street, Shenandoah, Pa. Frame, 2 stories, 30x15 feet, composition roof, hardwood floors, electric light. Owner taking bids.

High School, Stroudsburg, Pa., \$200,000. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 2 stories, 26 rooms, gymnasium and auditorium, Barrett roof, pine floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, iron stairs, fire doors, steel sash, metal lath (heating, plumbing and electric separate). Owners will take bids May 2nd.

Grade School, Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 2 stories, 12 rooms (heating, plumbing and electric separate). Owners will be ready for bids May 2nd.

School (add.), Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 1 story, 2 rooms (heating, plumbing and electric separate). Owners will be ready for bids May 2nd.

Theatre, Bristol, Pa. Architect, T. F. Bennett, Southampton, Pa. Owners, Hamilton Amusement Co. of America, Bristol, Pa. Brick, stone, steel, seating capacity 1,500. Plans about completed. Will be ready for bids in two weeks.

Court House, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Lancaster County Commissioners, R. W. Eby, Court House, Lancaster, Pa. Stone, 1 story, interior alterations to first floors, marble work, tile work. Architect taking bids.

Store (add. and alts.), York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, H. Westley & Co., 328 West Market street, York, Pa. Brick, terra cotta, steel, 4 and 1 stories, 20x60 feet, 22x150 feet, built-up roof, maple floors, elevators, heating extension, electric light, tile work. Architect about ready for bids.

Residence and Garage, Elmwood, York, Pa. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owner, W. B. Gemmill, Central Bank Building, York, Pa. Brick, 2½ stories, 40x60 feet, slag roof, hardwood floors, hot

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

water heat, electric light, tile work. Owner taking bids.

Residence and Garage, Elkins Park, Pa. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, L. Grotenfend, care of architect. Brick, 2½ stories, 35x17 feet, shingle roof, pine floors, hot water heat, electric light, tile work, garage, 15x17 feet. Architects taking sub-bids.

Residences (8), Church road, Elkins Park, Pa. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owners, Locust Improvement Co., care of architects. Brick, 2½ stories, 35x17 feet, shingle roof, pine floors, hot water heat, electric light, tile work. Architect taking sub-bids due as soon as possible.

Convent, Sunbury avenue, Minersville, Pa. Architects, Henry D. Dagit & Son, 1329 Race street, Philadelphia. Owners, St. Vincent De Paul's Parish, Rev. E. L. Gatens, Minersville, Pa. Brick, cut stone, steel, 3 stories and basement, 58x34 feet, slag roof, cement and pine floors, plumbing, waterproofing, electric, metal lath, tile and marble work, rolled steel sash, fire doors, bond, ornamental iron work, dumb waiters, morene wall finish, white coat. Architects taking bids (revised) April 20th.

Residence (alts.) to Office, Harrisburg, Pa. Architects, Lawrie and Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Pennsylvania State Educational Association, Dr. Kerry, 400 North Third street, Harrisburg, Pa. General interior alterations. Architects taking bids due April 18th.

Printing Shop (add. and alts.), Selinsgrove, Pa. Architects, Lawrie and Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Selinsgrove Times, Selinsgrove, Pa. Brick, hollow tile, 2 stories, 20x80 feet, electric light, face tile (plumbing and heating reserved). Architects ready for bids.

Home (imp. and repairs), Clearfield, Clearfield County, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Clearfield County Home, Court House, Clearfield, Pa. Bond, reinforced concrete, brick work, built-up asbestos roof, sheet metal work, plastering, iron work, iron stairs, carpentry and mill work, composition floors, refrigeration, painting, laundry equipment, hardware, kalamein doors, elevators. Owners taking bids due April 28th at 2 P. M.

Coal Trestle, Darby, Pa. Architect, private plans. Owners, Patterson Coal Co., 1023 West Susquehanna avenue, Philadelphia. Bids due April 18th.

Temple (add.), North Third street, Harrisburg, Pa., \$40,000. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Orioles' Home Association, R. L. Bingham, secretary, Harrisburg, Pa. Fireproof, 3 stories, 80x80 feet, composition roof, rubber and tile floors, hollow tile, dumb waiters, dampproofing, brass pipe, iron stairs, bond, steel sash, tile work, metal lath (heating and plumbing separate). Architects taking bids.

Church and Sunday School, Tower City, Pa. Architects, Ritcher & Eiler, 147 Noreh Fifth street, Reading, Pa. Owners, Trinity Reformed Church, Rev. Webster Stover, Tower City, Pa. Brick, steel, 1 story and basement, 44x85 feet, slate roof, hardwood floors, hollow tile, vapor heat, electric light, metal lath. Owners taking bids due April 15th.

High School Equipment, Newport, Pa. Architect, B. E. Starr, Harrisburg, Pa. Owners, Newport Union School Board, H. E. Bonsall, Newport, Pa. Heating, ventilating, plumbing, electric. Owners taking bids due April 22nd, 7 P. M.

Residence (alts. and add.), Neshaminy, Pa. Architect, Edward Schoeppe, 1437 Spruce street, Philadelphia. Owner, John H. Rensen,

care of architect. Stone, 2½ stories and basement, irregular in size, slate roof, oak and pine floors, metal lath, tile work, bond, oil burning, tile work. Architect taking bids due April 15th.

Golf Club (alts. and add.), near Media, Pa. Architect, Stanford B. Lewis, 1713 Sansom street, Philadelphia. Owners, Paxton Hollow Golf Club, care of architect. Stone, steel sash, demolition, concrete and cement work, carpentry and mill work, tile and marble work, oak floors, shingle roof, iron, steel work, metal lath, plastering, composition floors, painting and glazing. Architect taking bids due April 15th.

Residences (4), Merion Golf Manor, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, W. H. Wilson, 1617 Walnut street, Philadelphia. Stone, brick, stucco, 2½ stories and basement, 63x77 feet, 65x30 feet, 76x29 feet, 65x35 feet (plumbing, heating, electric reserved), shingle roof, oak and pine, cement floors, hollow tile, flagstone, ornamental iron work, metal lath, tile work. Owner taking general and sub-bids due April 16th, noon.

Warehouse (add.), Collegeville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Freed Heater Co., Collegeville, Pa. Stone, frame, corrugated iron, 2 stories, 50x140 feet, rubberoid roof, plank and concrete floors, rolling doors, steel sash and window frames, electric light. H. W. Brown, Collegeville, Pa., taking sub-bids.

Home and Bank Building, Sixth and Maclay streets, Harrisburg, Pa. Architect, C. Harry Kain, 31 North Second street, Harrisburg, Pa. Owners, Brotherhood Relief and Compensation, Harrisburg, Pa. Brick, limestone, steel, 11 stories and basement, 179x41 feet, 2 wings 127x40 feet, pine and cement floors, slag roof, metal lath, bond, ornamental iron work. Architect taking bids.

Auditorium, Sellersville, Pa. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, Loyal Order of Moose, Sellersville, Pa. Brick, steel, 2 stories and basement, 50x85 feet, asbestos shingle roof, maple floors, steam heat, electric light, tile work, metal lath. Architect taking bids due April 20th.

New Wing, Immaculata, near Frazier, Chester County, Pa. Architect, Paul Monaghan, 1520 Locust street, Philadelphia. Owners, Villa Marie College, Immaculata, Pa. Stone, granite, Green River limestone, brick, steel, 4 stories and basement, 204x45 feet, tile and slag roof, cement, oak and pine floors (plumbing, heating, electric and elevators reserved), cement work, hollow tile, metal weather strips, Anti Hydro, membrane and integral waterproofing, fire hose, cabinets, reinforced concrete, area gratings, ornamental iron work, easement windows, iron stairs, floor hardener, fire vault, hollow metal doors and sash, tile, marble and terrazzo work, metal lath, brass work, tin-clad fire doors, kalamein and bronze windows, bronze work, slate work, caulking, medicine cabinets. Architect taking bids due April 19th.

Ashland School, Lower Merion Township, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Lower Merion Township School Board, Merion, Pa. Low bidders: David Lutz & Co., Twenty-third and Chestnut streets, \$93,600; Bowden Const. Co., 1607 Summer street, Philadelphia, \$94,000. Mechanicals awarded as follows: Electric, J. F. Buchanan & Co., 1904 Sansom street, Philadelphia, \$5,708. Heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, \$16,494. Plumbing, William Newell & Son, 2035 Arch street, Philadelphia, \$10,586.

Pumping Station, Contract No. 2; C. I. Force Main, Contract No. 4, Chester, Pa. En-

gineer, R. C. Wheeler, 56 West State street, Albany, N. Y. Owners, City of Chester, C. Hunter, Chester, Pa. Certified check, 5 per cent. Deposit, \$10, refunded. Surety bond. Owners taking bids due April 26th, 2 P. M. Contract No. 2, approximately 8,100 cubic yards excavation, 1,300 lineal feet, foundations pile, 1,740 cubic yards first class concrete, 460 cubic yards second class concrete, 300,000 lbs. metal reinforcement, 2,000 square yards top soil, superstructure, switches, meters, pumps, etc. Contract No. 4, 4,000 feet 36-inch C. I. pipe, miscellaneous manholes, air valve chambers, rock excavation, piling, etc.

Road Work, Pennsylvania. Owners, State Highway Commission, Harrisburg, Pa. Owners taking bids due April 21st, at 10 A. M.

Beaver County, R-243, Sec. 1 A, Borough Township, 1,541 feet. Grading and drainage. Certified check, \$1,500.

Berks County, A-3587-A, Robesonia and Bernville Boroughs, Heidelberg, North Heidelberg and Penn Townships, 32,166 feet. One course reinforced concrete. Certified check, \$2,000.

Bucks County, A-4284, Springfield Township, 18,724 feet. Bituminous surface treated macadam. Certified check, \$1,500.

Cambria County, R-276, A-4268, Sec. 8, Conemaugh Township, 4,700 feet. One course reinforced concrete. Certified check, \$1,000.

Greene County, R-111, Sec. 5, A-4202-4283, Jackson Township, 5,100 feet. Grading and drainage. Certified check, \$1,500.

Lackawanna County, R-5, Mooie Borough, 817 feet. One course reinforced concrete. Certified check, \$5,000.

Luzerne County, R-170, S-2, Fairview and Hanover Townships, 6,876 feet. One course reinforced concrete. Certified check, \$4,000.

Luzerne County, A-3802, Black Creek Township, 25,339 feet. Bituminous surface treated macadam. Certified check, \$2,500.

Northampton County, R-165, Spur A-2355, Lower Mt. Bethel Township, 34,668 feet. One course reinforced concrete. Certified check, \$4,000.

Northampton County, A-4524, Nazareth Borough, 2,475 feet. One course reinforced concrete. Certified check, \$1,000.

Owners taking bids due April 22nd, at 10 A. M.:

Berks County, R-146, Sec. 2, Mt. Penn Borough, 1,680 feet. One course reinforced concrete. Certified check, \$500.

Berk sCounty, A-4427, Heidelberg Township, 3,118 feet. One course reinforced concrete. Certified check, \$1,000.

Elk County, A-4327, Ridgway Township, 2,627 feet. One course reinforced concrete. Certified check, \$500.

Huntingdon County, A-2827, Hopewell Township, 4,599 feet. One course reinforced concrete. Certified check, \$1,000.

Luzerne County, R-4, Sec. 7, Hunlock and Plymouth Townships, 13,799 feet. One course reinforced concrete. Certified check, \$2,000.

Luzerne County, R-235, A-3978, Huntingdon Township, 10,938 feet. One course reinforced concrete. Certified check, \$2,000.

Mifflin County, A-2764, Oliver Township, 7,503 feet. Bituminous surface treated macadam. Certified check, \$1,000.

Northampton County, A-4523, Bath Borough, 4,246 feet. One course reinforced concrete. Certified check, \$1,000.

Northampton County, A-4549, Portland Borough, 1,329 feet. One course reinforced concrete. Certified check, \$500.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

Pennsylvania Contracts Awarded

Girls' Home Building, Elizabethtown, Pa. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Masonic Home, F. and A. M., Elizabethtown, Pa. Stone, cut stone, steel, 3 stories and basement, 67x38 feet, steam heat, electric light, metal lath, tile and marble work, variegated slate roof, cement and maple floors, waterproofing, floor hardener, ornamental iron work. Contract awarded Hughes Foulkrod Co., Schaff Building, Philadelphia.

School (add.), Devault, Chester County, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, School District of Charlestown Township, Chester, Pa. Stone, cut stone, steel, 2 stories and basement, 68x34 feet (plumbing, heating, electric separate), hot water heat, electric light, metal lath, Bangor slate, slag roof, maple floors, bond, ornamental iron work. Contract awarded Gorman & Frank, 6912 Market street, Philadelphia.

Club House (alts. and add.), Bala, Pa. Architect, Harry F. Weidel, 1700 Walnut street, Philadelphia. Owners, Bala Golf Club, on premises. Cinder block, stucco, brick, steel, 2½ stories and basement, 64x25 feet, 30x30 feet (plumbing, heating, electric, lockers reserved), slag and shingle roof, cement and oak floors, metal lath, tile work, hollow metal sash, bond, flagstone, sand plaster wall finish, cinder concrete block, painting, glazing, hardware, concrete and cement work. Contract awarded George Kessler Cont. Co., 1733 North Marvine street, Philadelphia.

Residence, Meetinghouse road, Meadowbrook, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Wayne Herkness, Land Title Building, Philadelphia. Stone, cut stone, 2½ stories and basement, 116x40 feet, 25x31 feet, variegated slate roof, oak, pine and cement floors, plumbing, steam heat, electric light, tile work, metal lath, bond. Contract awarded Roy Randall, Jenkintown, Pa.

Apartment House, Wayne, Pa. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, 2 stories, 223x225 feet, heating undecided, electric light, tile work, slag and shingle roof, hardwood floors, door beds, electric refrigeration, laundry equipment. Contract awarded Powell Const. Co., Ardmore, Pa., who are taking sub-bids.

Store and Residence, Southeast Corner Young and Essex streets, Woodlynn, Pa. Architect, private plans. Owner, Nicholas Maicher, care of builder. Brick, stone, excavation, 2 stories, 53x20 feet, slag roof, hardwood and cement floors, hot water heat, metal ceilings, plate glass, wood bulks. Contract awarded John Wendorff, 421 Fairmount avenue, Philadelphia.

Bungalow, Secane, Pa. Architect, Francis Canavan, 7032 Greenway avenue, Philadelphia. Owner, Joseph Materia, care of architect. Frame, stucco, 1½ stories and basement, 58x60 feet, slate roof, oak and pine floors, hot water heat, gas burners, electric light, metal lath, tile work. Contract awarded G. Thomas Holloway, 27 South Sixth street, Philadelphia, taking sub-bids.

Post Office Building, Ardmore, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owner, James H. Kays, care of architect. Lessees, United States Government, Washington, D. C. Limestone, 1 story. Contract awarded A. L. Fretz, 1213 Filbert street, Philadelphia.

Telephone Building (alts.), Chester, Pa., \$7,500. Architect, private plans. Owners, Bell Telephone Co., Seventeenth and Parkway,

Philadelphia. Marble and tile work, kalamein doors, hollow metal work, metal lath, plastering, hardware, painting, glazing, electric light, mill work, cement work, brick work. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Residence, Baederwood, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, W. T. Mildrew, Baederwood, Pa. Stone, 2½ stories and basement, 41x38 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded C. T. Clarke, Germantown and Sedgley avenues, Philadelphia.

Residence and Basement Garage, State road and Sellers avenue, Bywood, Pa., \$8,000. Owner, John Sgarro, care of contractor. Cinder blocks, frame and stucco, 2½ stories, 30x56 feet, shingle roof, hardwood floors, hot water heat, electric light. Contract awarded Michael Sgarro, 4007 Garrett road, Drexel Hill, Pa.

School, Warminster Township, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Warminster Township, A. C. Walton, Ivyland, Pa. Brick, 1 story, 132x58 feet, Mohawk shingle roof, pine floors (plumbing, heating, electric separate). Contract awarded Harry Murphy, Willow Grove, Pa., not signed.

Residence and Garages (2), 3205-07 Windsor avenue, Drexel Hill, \$4,000 each. Architect, private plans. Owner, Thomas De Fabio, Drexel Hill, Pa. Frame, stucco, 2 stories, 16x50 feet, 10x18 feet, shingle roof, hot water heat. Contract awarded B. De Cecco, 401 Baltimore avenue, Clifton Heights, Pa.

Store, Office Building (alts.), 27 North Sixth street, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, Alexander Kagen, 641 Penn street, Reading, Pa. Plate glass, copper work, metal store front, tile and marble, maple floors, electric light. Contract awarded Louis Heilbron, 19 South Tenth street, Reading, Pa.

School, Shartlesville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Upper Bern Township School District, John S. Berger, Shartlesville, Pa. Brick, 1 story and basement, 58x83 feet, slag roof, composition floors, roof ventilators, metal weather strip, bond, metal lath. Contract awarded Herbert Kauffman, Shartlesville, Pa., \$25,965. Plumbing, Paul Fisher, Robesonia, Pa., \$2,102. Will take new bids on electric and heating.

Residence, near Sinking Springs, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owner, M. C. Rider, 1124 Fairview avenue, Wyomissing, Pa. Stone, frame, 2½ stories, 25x35 feet, shingle roof, hardwood floors. Contract awarded to Adam Spatz, Wernersville, Pa.

Service Station, Cameron street, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Harrisburg Oil & Supply Co., Eleventh and Paxton streets, Harrisburg, Pa. Contract awarded to W. F. Bushey, Lemoyne, Pa.

Bridge No. 54, Sycamore Mills, over Ridley Creek, Delaware County, Pa. County engineer, Media, Pa. Owners, Commissioners of Delaware County, G. T. Wades, Media, Pa. Contract awarded Carl R. Camp, 10 South Eighteenth street, Philadelphia, \$11,900.

Pennsylvania State Highway Work, Warren County, A-4104, Pleasant Township. One course reinforced concrete. Contract awarded to F. L. White Co., Warren, Pa., \$95,691.28.

St. Mary's Church, Catasauqua, Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, D. Cardinal Dougherty and Rev. J. A. Steimetz, Catasauqua, Pa. Brick, stone, granite, size irregular, capacity 1000, slate and copper roof, pine floors, steam heat, tile work, electric light, steel sash, metal stairs, plastering, concrete work, leaded and

storm glass, excavation, demolition, plumbing, painting and glazing. Contract awarded Franklin Goldsmith & Son, 817 Race street, Catasauqua, Pa.

New Jersey Construction News

Apartment House, Oaklyn, N. J. Architect, Herbert Radey, 723 Haddon Ave., Collingswood, N. J. Owner, J. Wesley Goldthorp, Oaklyn, N. J. Plans in progress.

Theatre, Albans Road and Mt. Ephraim Pike, Fairview, N. J. Architect, J. Herbert Radey, 723 Haddon Ave., Collingswood, N. J. Owner, S. Levick, Bankers' Trust Building, Philadelphia. Brick, steel, 1200 seating capacity. Architect taking bids.

Theatre, Glassboro, N. J. Architect, William H. Lee, Schaff Building, Philadelphia. Owner, name withheld. Preliminary plans in progress.

Apartment House, Southwest Corner Chelsea and Atlantic avenues, Atlantic City, N. J. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owner, Elie Sivade, Hotel Traymore, Atlantic City, N. J. Brick, concrete, 8 stories, 68x150 feet. Preliminary plans in progress.

New School, School (add. of 8 rooms), both Runnemede, N. J. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, Center Township School Board, J. Hausman, Mt. Ephraim, N. J. New school. Plans in progress. School (add.). Owners will be ready for bids in two weeks.

Store and Apartment, Cleveland and Walnut streets, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, G. Bernstein, 80 Cleveland avenue, Trenton, N. J. Brick, steel, 3 stories, 25x90 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, metal ceilings. Plans in progress.

Office (alts. and add.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, H. S. Maddock, 949 West State street, Trenton, N. J. Brick, 1 story, slate roof, hardwood floors, general alterations. Plans in progress.

Residence, Wenonah, N. J. Architect, W. K. Phillips, 213 South Fifth street, Philadelphia. Owner, D. A. Starr, Wenonah, N. J. Hollow tile or cinder concrete block and stucco, 2½ stories, 35x42 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work, oil burners. Owner taking general bids.

Residence, Woodbury, N. J. Architect, Watson H. Phillips, 213 South Fifth street, Philadelphia. Owner, Mrs. E. S. Kromer, Woodbury, N. J. Brick, 2½ stories, 32x32 feet, asbestos shingle roof, hardwood floors, gas water heat, oil burner, hot water heat, electric light, tile work. Plans in progress. Owner ready for bids in two weeks.

Office Building, Southwest Corner Mt. Vernon and Pacific avenues, Atlantic City, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Press Realty Co., care of architect. Brick, steel, concrete, 8 stories, 38½x150 feet. Architects taking bids due April 19th, before noon.

Apartment House, 523 Haddon avenue, Collingswood, N. J. Architect, F. Herbert Radey, 723 Haddon avenue, Collingswood, N. J. Owner, Rubin Kliger, 582 Haddon avenue, Collingswood, N. J. Brick, 3 stories, 100x40 feet. Architect taking bids due April 15th.

Market House, Absecon Boulevard, Atlantic City, N. J. Architect, H. A. Stout, Atlantic City, N. J. Owners, City of Atlantic City, City Hall, Atlantic City, N. J. Owners taking bids due April 14th, 3 P. M.

Road Work, East Broad street, at Railroad Station, Palmyra, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Palmyra, Palmyra, N. J. Removal of old road, widening street, including 220 feet of curbing, 300 square feet sidewalk, 450 square yards 7-inch reinforced concrete. Owners taking bids due April 19th.

Paving and Sewers, Fairfield Estates, Haddon Heights, N. J., \$360,000. Engineer, J. J. Albertson, Camden, N. J. Owners, Commissioners, Borough of Haddon Heights, N. J. 31,000 lineal feet of 7-inch concrete, also pumper, 500-gallon capacity, \$7,000. Owners taking bids due April 19th.

Sanitary Sewer System and Sewage Treatment, Longport, N. J. Engineer, E. D. Rightmire, Atlantic City, N. J. Owners, Borough of Longport, W. S. Gilmore, Longport, N. J. Approximately 8 miles of 8-inch to 18-inch V. T. pipe sewer, including manholes and appurtenances, sewage treatment work, settling tanks, chlorination tanks, pumps, sludge beds and superstructure, all appurtenances. Deposit, \$15, refunded, if plans are returned within twenty days. Owners taking bids due April 23rd, 3 P. M.

Moving Residence, Haddon Heights, N. J., \$3,057.75. Engineer, J. J. Albertson, Camden, N. J. Owners, Borough Council, J. Cooper, Council Chamber, Haddon Heights, N. J. Low bidders: Congezer & Son, Haddon Heights, N. J.

Street Paving, Collingswood, N. J. Owners, Township Commissioners, Collingswood, N. J. Low bidder: William Eisenberg, Collingswood, N. J., \$99,734.90.

New Jersey Contracts Awarded

Apartment House, 311 Cooper street, Camden, N. J., \$100,000. Owner, Bloom Apts., care of Builders. Brick, steel, 3 stories and basement, 40x150 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded M. W. Cooperson Co., Inc., 550 Federal street, Camden, N. J.

Garage and Service Station, East State street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Norman P. Druck Motor Co., 636 East State street, Trenton, N. J. Concrete, brick, steel, 2 stories, 190x60 feet, slag roof, concrete floors, metal partitions, iron stairs, fire doors, steel sash, blower system heating, electric light. Contract awarded to Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Golf Club, Ocean City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Ocean City Harbors Co., care of architect. Frame, 2 stories, 36x100 feet, slate roof, pine floors, tile and marble (heating, plumbing and electric separate). Contract awarded to John E. Trout, Ocean City, N. J.

Apartment House, 1655 Park Boulevard, Camden, N. J., \$75,000. Architect, Ernest L. Ergood, 320 Market street, Camden, N. J. Owner, Benjamin Natal, 1491 Greenwood avenue, Camden, N. J. Brick, 3 stories, 48x78 feet, slag and tile roof, steam vapor heat, electric light, hardwood and pine floors, tile work. Contract awarded to Harry Van Sant & Son, Collingswood, N. J.

Residence, 438 North Thirty-sixth street, Camden, N. J., \$6,000. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owner, George Allen, 934 North Sixth street, Camden, N. J. Block and stucco, 2 stories, 24x24 feet, asbestos roof, hardwood and pine floors,

hot water heat, electric light. Contract awarded to Benjamin Corotis, 100 Virginia avenue, Westmont, N. J.

Store and Residence (add.), 3914 Westfield avenue, Camden, N. J., \$3,000. Architect, private plans. Owner, John McGowan, 3914 Westfield avenue, Camden, N. J. Brick, 2 stories, 17x21 feet, slag roof. Contract awarded to Lewis T. West, Fifth and Royden streets, Camden, N. J.

School (alts. and add.), Moorestown, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, J. W. Powell, Moorestown, N. J. Brick, reinforced concrete, steel, 2 stories and basement, 73x41 feet (plumbing, heating, electric separate), composition roof, maple and cement floors, metal lath, hollow tile, roof ventilators, dampproofing, bond, kalamein doors, ornamental iron work. Contract awarded Fred Lange, Audubon, N. J.

Bank Building, Vineland, N. J. Architect, Ernest F. Strassle, 6 East Forty-sixth street, New York. Owners, Tradesmen's Bank, H. G. Walls, cashier, 628 Landis avenue, Vineland, N. J. Reinforced concrete, brick, steel, 1 story, mezzanine and basement, 74x50 feet, slag roof, cement floors, hollow tile, plumbing, dampproofing, electric light, metal lath, tile and marble, steel sash, kalamein doors, ornamental iron, iron stairs, cast stone, area gratings. Contract for superstructure awarded to Edward Carhart, Vineland, N. J. Architect will take sub-bids on all finished work.

Miscellaneous Construction News

Church, Galax, Va. Architect, Albert N. Dobbins, 1718 Cherry street, Philadelphia. Owner, First Baptist Church, Galax, Va. Plans in progress.

Residences (6), Sycamore street, Wilmington, Del., \$30,000. Architect, private plans. Owner, Patrick Fahey, 122 North Clayton street, Wilmington, Del. Brick, 2 stories, 20x45 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (5), Shallersoss avenue, Wilmington, Del., \$22,500. Architect, private plans. Owner, Luigi Fortunato, 1710 West Ninth street, Wilmington, Del. Brick, 2 stories, 20x28 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (4), Jefferson street, Wilmington, Del., \$18,000. Architect, private plans. Owner, S. Tobasso, Pennyhill, Del. Brick, 2 stories, 18x29 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (7), Madison street, Wilmington, Del., \$4,500 each. Architect, private plans. Owner, Louis Rosen, 601 Concord street, Wilmington, Del. Brick, 2 stories, 19x29 feet, slate and slag roof. Permit issued.

Road Work, Delaware. Owners, State Highway Department, Dover, Del.

Contract 80, Brenford-duPont road, 1.65 miles. Excavation, borrow, cement concrete pavement, premoulded expansion joint, Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe.

Contract 81, Philadelphia Pike widening, 1.865 miles (Shellpot to Bellevue Quarry). Excavation, borrow, excavation (rock), cement concrete pavement, premoulded transverse joint, cement concrete sidewalk, concrete, cement rubble masonry, reinforcement, terra cotta pipe, R. C. pipe, relaid pipe, pipe under-drain, concrete curb, guard rail, gratings. Owners taking bids due April 27th, at 2 P. M. Certified check, 10 per cent.

Miscellaneous Contracts Awarded

Philosophers' Recreation Building, Woodstock, Md. Architect, Emil G. Perot, 1211 Arch street, Philadelphia. Owners, Woodstock College, Rev. Peter A. Lutz, S. J., Woodstock, Md. Brick, reinforced concrete, granite, steel, cut stone, 3 stories and basement, 76x57 feet, built-up roof, mastic floors, plumbing, heating, electric, tile work, metal lath, kalamein doors, hollow mecal doors, bond, floor hardener, iron stairs, soundproof, celotex, ornamental iron work, cinder concrete block, linoleum, dumb waiter, cork insulation, dampproofing, metal window grills, roof ventilators. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Residence, Wilmington, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owner, Mrs. Edith B. Taylor, care of architects. Brick, stone, 2½ stories, 92x60 feet, slate roof, pine, concrete and linoleum floors, hollow tile, cut stone, flagstone, steel sash, tile and marble, electric light. Contract awarded to C. J. Dougherty, 2515 West Eighteenth street, Wilmington, Del.

Residences (2), Creston Place, Wilmington, Del., \$13,000. Architect, private plans. Owner, C. E. Yost, 404 West Twenty-eighth street, Wilmington, Del. Brick, 2 stories, 23x28 feet, slate roof, hot water heat, electric work. Contract awarded to Heindle Samworth, 1600 West Fourteenth street, Wilmington, Del.

Residence, 208 West Twenty-eighth street, Wilmington, Del., \$7,800. Architect, private plans. Owner, Mrs. E. M. Hill, 210 West Twenty-seventh street, Wilmington, Del. Brick, 2 stories, 24x34 feet, Carey roof, hot water heat, electric work. Contract awarded to Charles Eckman, 821 Orange street, Wilmington, Del.

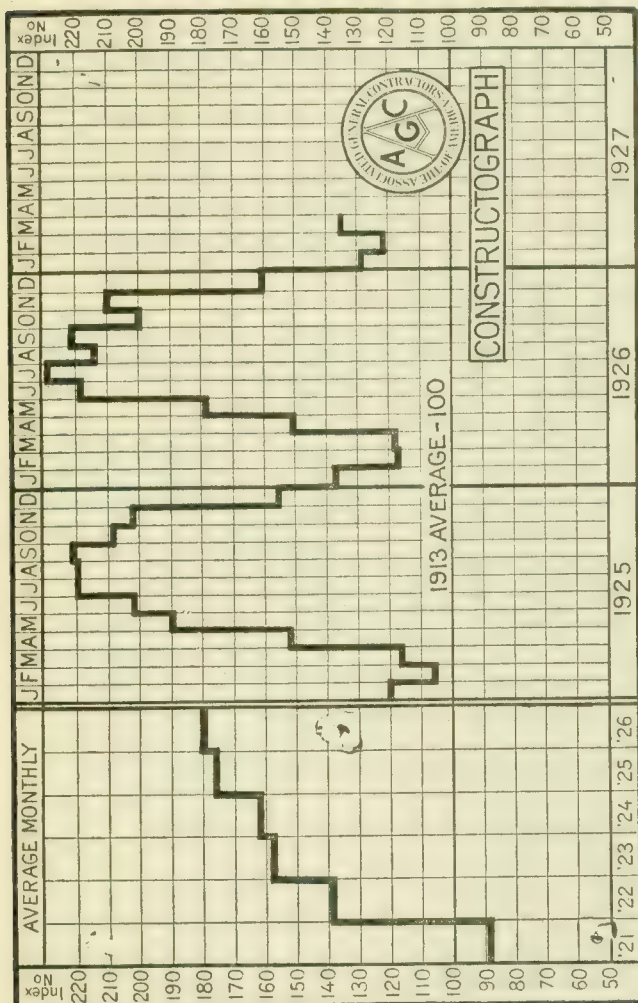
A new record has been added to the long list established by construction operations during recent months. Brisk activities in March brought the volume of construction during the first three months of 1927 up to a mark higher than has been registered during that period of any other year, according to statistics compiled by the Associated General Contractors of America.

The volume of work performed last month was 12 per cent. greater than the February figure, and 13 per cent. greater than the total recorded for March, 1926.

Meanwhile, the awards of contracts for future work have assumed a sturdy volume. The total for January and February of this year is equal to the combined figures for the first two months of the record-breaking year of 1926. The volume of contracts awarded during February shows an increase of 2 per cent. over January and a rise of 16 per cent. above the mark set in February, 1926.

The indications are that when the figures on volume of construction work carried on during this month are compiled, 1927 will be shown to have extended its leadership over previous years. An increase in April of 6 per cent. over the March volume will give the present year the distinction of having seen more construction work under way during the first four months of the year than has ever

been recorded in the past. The natural tendency toward an increase in the volume of operations during this season of the year is shown by the 25 per cent. rise which April registered over March last year.



THE year 1926 established a new high record for building construction, the total expenditure for new buildings and alterations being in the neighborhood of \$7,000,000,000. Some apprehension is felt in certain quarters, that this pace cannot be kept up. As a matter of fact, we believe that the peak has probably been reached and there is no doubt that certain types of buildings are at present a glut on the market. We refer to the large, pretentious apartments and office buildings, put up at great expense where the rentals are so prohibitive that few can afford to occupy either the apartment or the offices. However, considering the scarcity of labor, somewhat of a letdown in the construction industry would not be a calamity and the outlook for 1927 is already very encouraging.

Messrs. S. W. Straus & Co., a well-known investment banking institution, have declared, according to *Building Age* and *National Builder* that New York City and many of our larger cities have been overbuilt with high-priced apartment houses, apartment hotels and hotels, as well as high office buildings. Mr. Straus said a truce should be taken on building for six months or a year, in order to permit the buildings already built to be occupied.

His remarks have been wrongly construed in many parts of the United States.

It is true that 80 per cent. of the building done in the United States is east of the Mississippi River, and a very large amount of this building is done in the states of Pennsylvania and New York. A 20 per cent. reduction in building operations in New York and Pennsylvania is going to show itself as quite a sizeable reduction in the total volume of business. The rest of the country must show a great increase in order to overcome any drop in building activities shown in the two states mentioned.

"It is true that the classes of buildings, mentioned by Mr. Straus have been going up at a very rapid rate in New York City. It is a fact that many people in New York City are compelled to spend nearly one-half of their income for rent, and this is not due always to any desire to live near the White Lights. A great many people are compelled to live in Manhattan or in communities close to Manhattan, in order to be near their place of business. Rents have gone up rapidly and there has been a great desire on the part of many speculative builders, to put up palace-like apartment houses and apartment hotels. It will be many, many years before the real need for medium priced and low priced apartments is going to be met.

In the mean time over the whole United States there is evidence of an increased activity in the building of single and double family houses and in the construction of small apartment houses. At the present moment, the need for modern homes in America is far from being filled and the outlook for a good year of building is excellent. No truce need be considered in general building work even though one authority counsels caution in continuing the erection of certain types of New York buildings.

Such doubts as have been in the minds of producers, contractors, dealers and other interests in the construction industry at New York as to what the spring season would show, in the opinion of *The Clay Worker*, are now passing—and passing definitely. There is no longer any question, despite the fact that the season is only about to turn. Since the beginning of March, there has been a spurt in activities, covering both actual commitments and advance work, enhanced by favorable weather conditions, and some bright weeks loom ahead in the field.

The stage seems set in the New York zone for a heavy volume of construction throughout the spring and summer months, and the next 30 to 60 days will show actual contract awards of more than \$250,000,000 if the prophecies of architects and engineers come to pass. This figure is a conservative one, even though it does seem large at first reading, for New York is a big city and does things in a big way. For the first two months of the year, winter periods, contracts

placed total about \$150,000,000 covering about 1,100 different operations in all five boroughs. During the same time a year ago, the number of projects was less, aggregating 1,050, but the total estimated cost stood at \$200,000,000.

The first week in March exhibits an upward trend, with contract commitments reaching to \$26,800,000; the end of the month is expected to show a round total of well over \$115,000,000. These figures are rather remarkable considering that speculative interests are gradually leaving the field for the time being, the "over built" idea having more substance than mere guesswork; there is unquestionably a slackening in the demand for large commercial buildings, apartment houses and apartment hotels—and these are the structures that the speculator exists upon.

Demand for Smaller Buildings

Thus, the demand of today is for the smaller operation, such as medium sized apartment houses, office buildings, and dwellings; tenements of model type, also, are high in the point of call, and the east side district in Manhattan Borough is scheduled for some notable developments in this line during the coming season. Industrial operations are exhibiting the unexpected tendency of increasing, particularly in the Long Island City territory, which has made exceptional expansion in this direction during the past few years. Public buildings are another factor in the present situation, and plans are on the boards of architects for considerable work of this character in the early weeks ahead. As to be expected, residential operations continue in the lead over all other types of buildings, the present weekly average running from 140 to 190 operations of this kind.

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of *The Builders' Guide*, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912, for April 1, 1927.

Editor, H. L. Sharpe.

Managing Editor, none.

Business Manager, Louis S. DeLone.

Publishers, Building News Publishing Co., 1530 Chestnut street, Philadelphia.

Owners, Building News Publishing Co., 1530 Chestnut Street, Philadelphia, Pa., Louis S. DeLone, 1530 Chestnut Street, Philadelphia, Pa.

Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, Business Manager.

Sworn and subscribed before me this 17th day of March, 1927.

H. A. Lang, Notary Public.

(My commission expires March 2, 1929.)

Reference Directory for Architects, Builders and Owners

ARCHITECTURAL CAST CUT STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co..Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner.Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES
Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co...Columbia and Howard St., Phila.

CAST STONE
Architectural Cast Cut Stone Co....Westmont, N. J.

CAULKING
Sterling Products Co.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick.Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick.Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK
Gillingham Co...Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co.....1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr.....829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS
Murphy Door Bed Co.....512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co.....1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co...Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS
Blackburn, Wm. N.....Drexel Hill, Pa.

FIREPLACE THROATS
Blackburn, Wm. N.....Drexel Hill, Pa.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co...2313 Walnut St., Phila.
Selby Battersby & Co.....810 Noble St., Phila.

FLOORING (Steel)
Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.....1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co....Westmont, N. J.

GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.....3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co..Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor 15th and Locust Sts., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co...Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co...11th and Noble Sts., Phila.
Lederle, Robt. B., & Co..Witherspoon Bldg., Phila.
Livezey, Thos. H..American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. ...Norris and Richmond Sts., Phila.
Ketcham, Howard.....3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.....435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.

Mercaldo, Vincent..411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co. ...Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Sterling, Joseph.....South Merchantville, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Service Supply Corp. ...20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Hood Tile Co...S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg Co. ...2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co..Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.

Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F. Co.125 S. 12th St., Phila.

Well, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)
H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD
Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co.....1126 So. 11th St., Phila.

Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Audubon Wire Cloth Co.Audubon, N. J.

Potts, Horace T., & Co..Erie Ave. and D St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co.....Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Protects this Stucco House Against Wear and Weather

C. J. WALKER
RESIDENCE—
IRVINGTON—
ON THE
HUDSON, N. Y.

V. W. TANDY,
ARCH.

MILLER,
REED & CO.,
BUILDERS



"ANTI-HYDRO" both hardens and waterproofs stucco in one operation. It prevents stucco from chipping, crazing, map-racking and discoloration, and insures a dry interior at all times. The admixture of "ANTI-HYDRO" makes portland cement bond securely to tile, brick or concrete. Any tone may be obtained through the addition of a dry mortar color, or it may be used with pure white cement, without dimming or changing the color. "ANTI-HYDRO" is a liquid integral compound. It mixes readily with the gauging water—any unskilled workman can do it. For 23 years it has proved its superiority. Use "ANTI-HYDRO" on your next job for permanently hard and waterproof stucco work.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES : WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 16
April 20, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

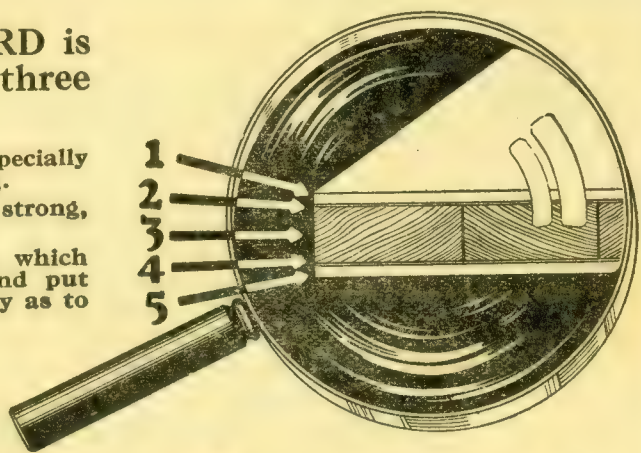
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Common Sense

seems to say, buy in the town that
supports you; yet, many firms
putting up new plants entirely forget
our local Architects, Builders and
Sub-contractors who should be first
choice.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN
Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

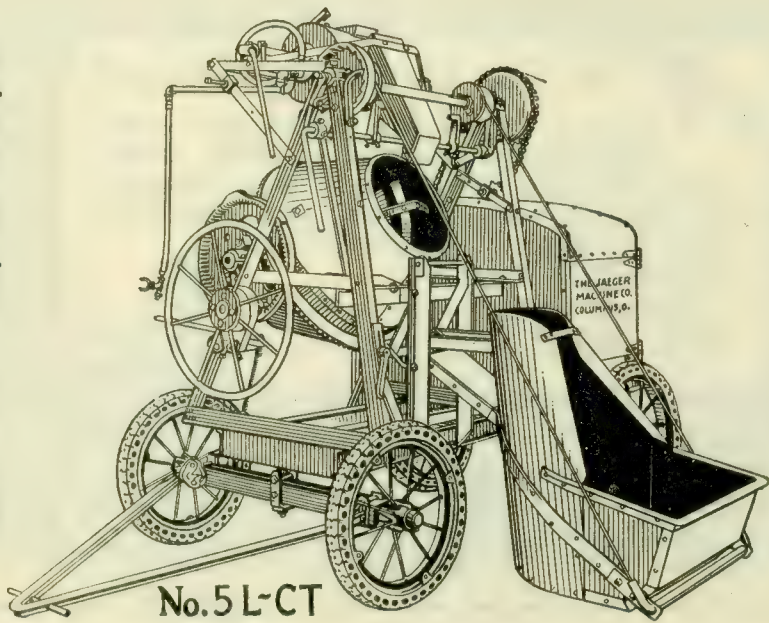
FABRICATED STEEL IRON BARS

RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
SS
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Rittenhouse 5559

Race 99-28

**HARRY A. WHARTENBY
IRON, STEEL, BRONZE**

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

**HIGH GRADE
ORNAMENTAL IRON WORK****KERLOW STEEL GRATINGS**

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

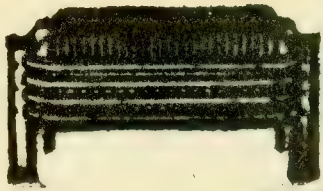
LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Go to **HENRY M. MILLER**

50 North 2nd Street

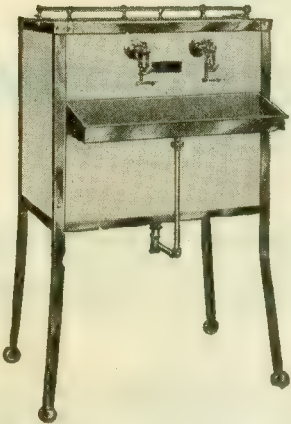


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 16

PHILADELPHIA
April 20, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, 4203 Chester avenue, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, Joseph Scutti, 412 Jefferson Building, Philadelphia. Brick, cut stone, 4 stories and basement, slag roof, cement and oak floors, electric light, hot water heat, metal lath, tile and marble work, elevators, oil burner, painting, glazing, composition floors, incinerator, plumbing. Plans in progress.

Show Room, Twelfth street above Spring Garden street, Philadelphia. Owners, Finney & Son, on premises. Work contemplated.

Theatre (moving picture and vaudeville), Broad, York road and Fifteenth street, Philadelphia, \$500,000. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, 135x392 feet, seating capacity 3,000, cement floors, electric light. Plans in progress.

Show Room, 6312 Rising Sun avenue, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owners, Coulston & MacFarlane, Inc., on premises. Brick, 1 story. Preliminary plans in progress.

Garage, Forty-second and Ludlow streets, Philadelphia. Owner, care of George Weinrott, Public Ledger Building, Philadelphia. Two stories. Work contemplated.

Garage, Cherry and Carlisle streets, Philadelphia. Owners, care of Mastbaum Brothers & Fleisher, 1432 South Penn Square, Philadelphia. Size of lot, 198x61 feet 8 inches. Work contemplated.

Store Building, 4622-24 Frankford avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Loux Furniture Co., 623 Market street, Philadelphia. Brick, stone, steel, terra cotta, 3 stories. Preliminary plans in progress.

Residence and Garage, Greene and Mt. Pleasant avenue, Chestnut Hill, Pa. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owner, name withheld. Stone, slate roof, hardwood floors. Plans in progress.

Store Building, 1608-12 Chestnut street, Philadelphia. Engineers, William Steele & Sons, Fifteenth and Cherry streets, Philadelphia. Owners, Jackson & Moyer, Inc., care of engineer. Brick, steel, limestone, 3 stories and basement, 67x145 feet, slag roof, steam heat, electric light, tile and marble, elevators, plumbing, terra cotta. Plans in progress.

Residences (4), Hegerman street, Philadelphia, \$25,000. Architects, Durham Brothers, 34 South Seventeenth street, Philadelphia. Owner, Martin Kasparalte, 5918 Tulip street, Philadelphia. Brick, 2 stories, slag roof, pine floors, 16x40 feet, hot water heat, electric light. Owner will build.

Bank Building, 5404 North Fifth street, Philadelphia. Architects, Simon, Britain & English, 929 Chestnut street, Philadelphia. Owners, National Bank of Olney, on premises. Limestone, hollow tile, steel, brick, 1

story and mezzanine, 32x100 feet, hot water heat, oil burners, electric light, tile and marble work, concrete floors, bronze work. Plans in progress. Engineer will be ready for bids in three weeks.

Factory Building, Kensington and Sedgley street, Philadelphia. Architect, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 1 story, 98x81 feet, 2 stories, 22x80 feet, slag roof, steam heat, electric light, cement floors, plumbing, rolled steel sash. Plans in progress. Ready for general bids in ten days.

Fraternity House (alts. and add.), Thirtieth and Spruce streets, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Phi Sigma Delta, on premises. General alterations and additions. Plans in progress. Ready for bids in a week.

Bank, 3314-16 Germantown avenue, Philadelphia. Architect, Thomas E. Ash, 1700 Walnut street, Philadelphia. Owners, Tioga National Bank, 3452 Germantown avenue, Philadelphia. Architect taking bids due April 28th.

Pennsylvania Railroad Work, Philadelphia. Purchasing agent, C. E. Walsh, Seventeenth and Filbert streets, Philadelphia. Contract No. 44, structural metal work for bridges. No. 43, gauge roads, crossing, frogs, switches and posts. Owners taking bids due April 22nd.

Residences (62), Stores (4), Marcella street, Frankford, Philadelphia. Architect, private plans. Owner, C. B. White, 4423 Conshohocken

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

avenue, Philadelphia. Brick, stucco, 2 stories, 15x72 feet, slag roof, hardwood and pine floors, electric light, tile work, hot water heat. Owner building 31 now, balance will be built later.

Building (alts.), 1908 Walnut street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Engel, Inc., care of architect. Limestone, 4 stories, 22x100 feet, wood joist roof, pine floors, rubber tile floors, metal front, tile work, electric light, steam heat, oil burners. Architect taking sub-bids due at once.

Store Building, 260 South Fifteenth street, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Samuel Holtz, care of architect. Brick, steel, concrete, 6 stories and basement, 34x63 feet, slag roof, cement floors. Owner taking sub-bids.

Hotel Zeisse (alts.), 820 Walnut street, Philadelphia. Architect, private plans. Owner, Mr. Samuel L. Griffin, on premises. Brick work, stone, concrete footings, structural steel, miscellaneous iron work, sheet metal work, tile and marble work, plumbing, elevator, electric light, elevator doors, rubber tile floors, carpentry and mill work, plastering, painting and glazing, steel sash, metal ceilings, hardware, repairs to skylights, water tanks. Owner taking bids due April 23rd.

Alterations and Addition, 2232 East Clearfield street, Philadelphia. Architect, I. Demehick, 1701 Chestnut street, Philadelphia. Owner, J. Friedman, care of architect. Demolition, stone work, concrete, cement, brick work, steel and iron work, slag roof, carpentry and mill work, oak floors, painting and glazing, tile and marble work, plastering, metal lath, metal ceilings, electric, plumbing, hot water heat. Architect taking bids due as soon as possible.

Contract No. 803, Belmont Filtering Plant, Philadelphia. Architect, private plans. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Brick, architectural terra cotta, steel, granite, asphalt, slate and slag roof, safety treads, rolled steel sash and skylights, bond. Certified check, 5 per cent of bid. Filters and Callaries, 192-129 feet, 2 stories. Head House, 2 stories, 62x32 feet. Gate House, 1 story, 22x17 feet. Chlorine House, 1 story, 36x18 feet. Owners taking bids due April 21st.

Store Building (alts. and add.), 1708 Walnut street, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Jacques Ferber, on premises. Concrete, cement work, cut stone, structural steel, iron work, iron stairs, ornamental bronze, carpentry and mill work, hardware, plastering, painting and glazing, marble and tile work, plumbing, electric work, bond, brick (heating oil burner reserved). Architect taking bids due April 21st.

Store Building, 3614-16 Germantown avenue, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owner, S. S. Kresge, Detroit, Mich. Brick, steel, granite, limestone, steam heat, electric light, metal lath, tile and marble work, tin-clad and kalamein doors, bond, iron stairs, ornamental iron work, metal partitions, roof ventilators, metal ceilings, waterproofing, plumbing, sprinklers, copper store fronts, linoleum floors. Owner taking bids due April 26th.

Store and Apartment, 2223-27 Columbia avenue, Philadelphia. Architect, I. Demehick,

1701 Chestnut street, Philadelphia. Owners, Rosenberg & Friedman Brothers, care of architect. Brick, cast stone, cut stone, steel, 3 stories and basement, 80x47 feet, built-up roof, oak floors, dampproofing, ornamental iron work, iron pipe, area gratings, vapor heat, electric light, metal lath, tile and marble work, rolled steel skylights, sprinkler system. Owners taking bids.

Store Building, Cheltenham avenue and Greene street, Philadelphia. Architect, Clarence Wunder, 1520 Locust street, Philadelphia. Owners, George Allen, Inc., 1210 Chestnut street, Philadelphia. Brick, steel, reinforced concrete, cast stone, 3 stories and basement, 168x75 feet (plumbing, heating, electric and elevators, sprinklers, steel stack reserved), Barrett Specification roof, cement floors, roof ventilators, metal window guards, metal weather strip, dampproofing, area gratings, ornamental iron work, iron stairs, bond, fire, kalamein and hollow metal doors, rolled steel sash, tile work, metal lath, limestone, metal toilet partitions, granite, pneumatic tube, metal toilet partitions, metal lockers, ash hoist, sound insulation, incinerator, vitrolite. Architect taking bids due April 27th.

Synagogue, Ritner and Marshall streets, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owners, Beth Samuel Synagogue, care of H. B. Miller, chairman, Swanson and Mifflin streets, Philadelphia. Brick, 1 story and balcony, 31x48 feet. Owners taking general bids.

Alterations to Seventh Floor, Federal Reserve Bank, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, 925 Chestnut street, Philadelphia. Architects taking bids. Plaster block, marble, tile work, carpentry and mill work, plastering, painting, electric, plumbing.

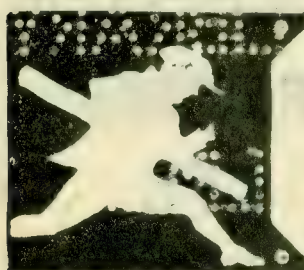
Miscellaneous Paving, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Frankford, Longshore to Welsh road, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$197,781.40. Torresdale, Cottdale to Sheffield, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$38,145.66. Pine street, Second to Seventh street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$17,172.80. Berks street, Seventh to Ninth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$25,060.07.

Residences (5), Bingham, Shelmire, Faunce, Claridge and Tabor road, \$20,000. Architect, private plans. Owner, Henry Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, pine floors, electric work. Permit issued.

Residences (39), North side Alecott street, East of Colgate street, Philadelphia, \$176,000. Architect, private plans. Owner, Frank Schilling, 175 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15x32 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (16), East side Cottage street, North of Princeton avenue, Philadelphia. Architect, private plans. Owner, L. Merget, 5703 Torresdale avenue, Philadelphia. Brick, 2 stories, 16x28 feet, 12x10 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, 1675 Foulkrod street, Philadelphia, \$17,000. Architect, private plans. Owner, Eli Mervish, 511 Otis Building, Philadelphia.



Good Work

Quick Service

BLUE PRINT SHOP

Bel Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Brick, 1 story, 52x200 feet, slag roof, cement floors, electric light, steam heat. Permit issued.

Residences (2), Anderson street, West of Dorset street, Philadelphia, \$32,000. Architect, private plans. Owner, R. A. O'Donnell, Broad and Cheltenham avenue, Philadelphia. Brick, 3 stories, 18x31 feet, 21x13 feet, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residences and Garages (4), South side Howell street, East of Hegerman street, Philadelphia, \$22,000. Architect, private plans. Owner, M. Kasparaitis, 5918 Tulip street, Philadelphia. Brick, 2 stories, 16x40 feet, garages, 1 story, 16x8 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Residences (65), Champlost and Spencer avenues, Rosemar street, Philadelphia, \$311,200. Architect, private plans. Owner, Herman Britsch, 523 Nedro avenue, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, electric light. Permit issued.

Service Station, Northeast Corner Hasbrook and Oxford avenues, Philadelphia, \$10,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x6 feet. Permit issued.

Residence, 1404 Point Breeze avenue, Philadelphia, \$7,000. Architect, private plans. Owner, H. Allen, 1449 Point Breeze avenue, Philadelphia. Brick, 2 stories, 21x32 feet, 16x39 feet, hot water heat, electric light, hardwood and pine floors. Permit issued.

Residence, South side Fuller street, West of Loretta street, Philadelphia, \$5,000. Architect, private plans. Owner, Fred Redner, Cheltenham, Pa. Frame, 2 stories, 21x31 feet, hot water heat, electric light. Permit issued.

Residences (6), South side Arthur street, West of Castor road, Philadelphia, \$4,000 each. Architect, private plans. Owner, Fred Redner, Cheltenham, Pa. Frame and brick, 2 stories, 16x39 feet, hot water heat, electric light. Permit issued.

Store, 8029 Frankford avenue, Philadelphia, \$3,000. Architect, private plans. Owner, J. A. Hand, 3313 Rhawn street, Philadelphia. Brick, 1 story, 22x35 feet, slag roof, pine floors. Permit issued.

Residences and Basement Garages, 58th and 59th, Lebanon Ave. and Lebanon to Malvern Ave., Overbrook, Pa. Owners, Kenin & Shapiro, Inc., Land Title Bldg., Phila. Work contemplated.

Residences and Basement Garages, 59th to 60th St., Lebanon and Coleman St., Overbrook, Pa. Owner, Chas. Wield, 59th and Coleman Sts., Phila. Work contemplated.

Miscellaneous Work, Phila. Owner, Dept. of Public Works, Bureau of Highways, 216 City Hall. Owner taking bids due April 26th 11 A. M. Inquire 232. Certified check 5%. Grading, asphalt paving, country roads improvements, asphalt repaving, demolition of buildings on line of Ditman St., centrifugal pump.

Sewer Work, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Owner taking bids due April 27th at noon. Certified check of 5%. Schedule A, sewage disposal project, Upper Delaware Collecting sewer, Section No. 3.

Apartment Building, 54th and Wynnefield and Woodbine Ave., Phila. Owner, D. Arthur B. Lehman, 4521 N. 5th street, Philadelphia. Work contemplated.

Contract No. 878, Engine Room Floor, Shawmont St., Phila. Owner, Dept. of Public Works, Bur. of Water, 216 City Hall. Owner taking bids due April 26th, 11 A. M. Certified check 5%. Inquire Room 788.

Lawndale Theatre, 7 Stores and 7 Apartments, Rising Sun and Oxford Pike and Cottman St., Phila. Associate Architects, The Ballinger Co. and W. Ellis Groben, 12th and Chestnut Streets, Phila. Owner, Oxford Theatre Corp., care of T. Kirmse, 6500 Rising Sun Ave. Theatre, brick, hollow tile, architectural terra cotta, ornamental iron work, steel, 180x215 feet, seating capacity 2,000, slag roof, mechanical heating, ventilating and cooling system. Store and apartments, 2 stories, brick, 20x45 feet, hardwood and cement floors, steam heat, electric light, slag roof. Plans about completed ready for bids in two weeks.

Apartment House, Sherman and Phil-Elena

Sts., Germantown. Architect, S. H. Levin, Elrae Building, Phila. Owners, Babis & Bender, Schubert Bldg., Phila. Brick, steel, limestone, 4 stories, 150x300 feet, slag roof, hardwood, tile, linoleum, rubberoid floors, elevators, electric refrigeration, tile work, kitchen equipment, incinerator. Owners taking sub-bids due April 25th.

Building, Roberts Avenue and Penna. R. R., Phila. Architect, J. Simshon, Broad and Griad Ave., Phila. Owner, Morris Wheeler, 30th and Locust Sts., Phila. Plans in progress.

Residence, Sedgwick, East of Wissahickon Ave., Phila. Architects, Boyd, Abel & Gugert, Otis Bldg., Phila. Owner, Louis A. Rosenau, care of architects. Stone, 2½ stories and basement, 89x18 feet, 35 x 27 feet, garage, 29x26 feet, tile roof, oak, pine and cement floors, metal lath, ornamental iron work, flagstone, copper flashings (electric, painting, plumbing, tile work reserved). Architects taking bids due as soon as possible.

Apartment House (alts. and add.), 1204-06 Rockland St., Phila. Engineer, Morris Fruchtbaum, 5114 Mebus St., Phila. Owners, Harry Finkel and Joseph Bobbs, Anita Apts., 63rd and City Line. Brick, stucco, 3 stories, 40x88 feet, slag roof, hardwood and linoleum floors, laundry and kitchen equipment, fire escapes, tile work, vapor heat, oil burners (probably), electric light. Engineer taking sub-bids.

Moving Picture Theatre, Fifth street between Cambria & Somerset Sts. Architects, Hodgins & Hill, 180 S. 15th St., Phila. Owners, Samuel and Morris Fineman, care of architects. Brick, hollow tile, seat capacity 1,500. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Rectory, Tioga and Howard Streets, Phila. Architects, Henry D. Dagit & Son, 1329 Race Street, Philadelphia. Owner, St. Hugh Roman Catholic Church, Rev. H. J. Dale, 144 East Allegheny Avenue, Philadelphia, Pa. Stone, steel, 3 stories and basement, 36x58 feet, slag roof, oak, pine and cement floors, plumbing, steam heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded Gorman & Frank, 6912 Market St., Phila.

Building (add.), Broad and Ridge Ave., Phila. Architect, P. S. Tyre, 114 S. 15th St., Phila. Owner, Cadillac Motor Car Co., on

premises. Reinforced concrete, brick, 8 stories, 75x160 feet, slag roof, cement floors, steam heat electric light, metal lath, rolled steel sash, fire doors, ornamental iron work, sprinkler system. Contract awarded Wark & Co., 1600 Walnut St.

Residence (alts.), 2104 Walnut St., Phila., \$4,500. Owner, Dr. Wm. F. Paul, 1303 S. 22nd St., Phila. General alterations. Contract awarded to Wm. F. Newbery, Otis Building, Phila.

Shed, 2610 E. Albert St., Phila., \$2,500. Architect, private plans. Owners, Briscoe

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

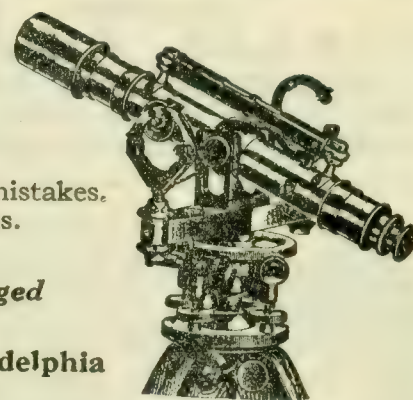
Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



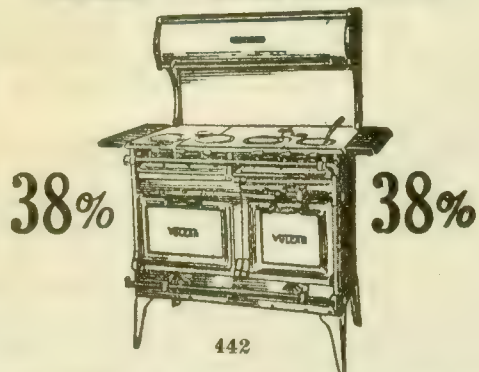
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

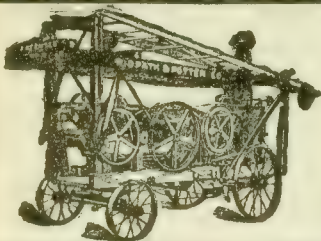
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

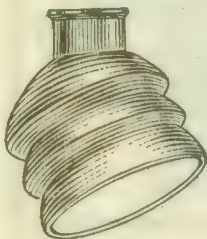
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Bros., 2nd and Berks Sts., Phila. Contract awarded to Albert Dell, 1532 E. Berks St., Phila.

Residence and Office (add.), 5140 Walnut St., Phila., \$2,200. Architect, private plans. Owner, R. Wanner, 5134 Walnut St., Phila. Brick, 1 story addition, 8x16 feet. Contract awarded to Whalen-Crosby Co., 140 N. 11th St., Phila.

Association Building and Store, 1033-35 Girard avenue, Philadelphia. Architect, Conrad F. Neff, Twelfth and Locust street, Philadelphia. Owners, Girard Avenue Business Men's Association, care of H. L. Martin, Ninth and Thompson streets, Philadelphia. Brick, hollow concrete block, 3 stories and basement, 75x38 feet, slag and tin roof, composition, maple and pine floors, electric light, metal lath, rolled steel sash and skylights, bond, ornamental iron work, cast stone. Contract awarded George Kessler Contracting Co., 1733 North Marvine street, Philadelphia.

Factory (add.), Frankford avenue, South of Wilkey street, Philadelphia. Architect, William Lowenthal, 1208 Chestnut street, Philadelphia. Owners, Jacob Bloom Co., 1045 Frankford avenue, Philadelphia. Reinforced concrete, brick, cut stone, steel, 4 stories and basement, 80x40 feet (heating, plumbing, electric, sprinkler, elevator, slag roof, cement, pine and composition floors, rolled steel sash and skylights, steel doors, bond, ornamental iron work, galvanized iron pipe, steel curtains. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Alterations to Old Building, New Building G, fourth floor, Jamestown and Ridge avenue, Roxborough, Philadelphia. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Memorial Hospital, on premises. Brick, steel, cast stone, 4 stories, 42x98 feet, slag roof, cement floors. Contract awarded Cramp & Co., Denckla Building, Philadelphia.

Parsonage, Manayunk avenue and Gates street, Roxborough, Philadelphia. Architect, J. Warren Neff, 2002 North Sixty-first street, Philadelphia. Owners, Emanuel Methodist Episcopal Church, on premises. Stone, 2 stories and basement, 37x27 feet, asbestos shingle roof, oak and pine floors, steam heat, electric light, tile work. Contract awarded C. M. Swartley, 6832 Ridge avenue, Philadelphia.

School, Pratt and Mulberry streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contract awarded McCloskey Co., 1620 Thompson street, Philadelphia, \$379,780. Electric, Enterprise Elec. Co., 239 South Tenth street, Philadelphia, \$8,586. Ventilating, Gerbrick &

Kaufman, 44 North Second street, Philadelphia, \$1,393. Heating, McClintock & Co., 5609 Race street, Philadelphia, \$37,295. Plumbing, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$27,697.

Apartment Buildings (3), 242 West Walnut lane, Philadelphia. Architect, W. H. Lee, 1505 Race street, Philadelphia. Owner, Chester M. Rudisill, Pennsylvania Building, Philadelphia. Brick, 4 stories, 40x231 feet, oak and cement floors, electric light, metal lath, tile and marble, steel sash and skylights, painting, glazing. Plans filed. Contract awarded to Nelson-Pedley Const. Co., 1510 Chestnut street.

Building, Delaware avenue and Bigler street, Philadelphia. Architect, private plans. Owner, Publicker Commercial Alcohol Co., on premises. Brick, steel, 4 stories and basement, 50x35 feet, slag roof, cement floors. Contract awarded S. H. Levin, Elrae Building, Philadelphia.

Nurses' Home, Philadelphia Hospital, Thirty-fourth and Pine streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Bureau of Charity and Correction, Department of Hospitals, Philadelphia. Contracts awarded: D. Lutz & Co., Twenty-third and Chestnut streets, Philadelphia, \$348,700. Electric, Electro Const. Co., Commercial Trust Bldg., \$15,980. Plumbing, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$63,333. Heating, Combustion Equipment & Engr. Co., 2130 Locust street, Philadelphia, \$32,382.

Paving, Philadelphia General Hospital, Second and Luzerne streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Health, Bureau of Hospitals, Philadelphia. Contract awarded Union Paving Co., Thirtieth and Locust streets, Philadelphia.

Garages, 6752-58 Ridge avenue, Roxborough, Philadelphia. Architect, private plans. Owner, Harry S. Thompson, 6184 Ridge avenue, Roxborough, Philadelphia. Brick, 1 story and basement, 145x60 feet, built-up roof, cement and pine floors, steam heat, electric light, metal lath, terrazzo work, rolled steel sash, fire doors, ornamental iron work, architectural terra cotta. Contract awarded Callahan Brothers, Fairthorne avenue, Roxborough, Pa.

Residences (2), East side Ryers avenue, North of Stanwood street, Philadelphia. Architect, private plans. Owner, John Corbett, 1334 Cottman street, Philadelphia. Brick, 2 stories, 16x25 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Louis Seifin, 1334 Cottman street, Philadelphia.

Residence and Store (add. and alts.), 1630 South street, Philadelphia, \$7,500. Architect,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS
3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

private plans. Owner, Charles B. McIntyre, 619 South Seventeenth street, Philadelphia. Brick, 2 stories add., 29x14 feet, general alterations. Contract awarded to L. G. Park, Parkland, Pa.

Residence and Store (add. and alts.), 609 North Second street, Philadelphia, \$2,500. Architect, private plans. Owner, Jennie Kraemer, 627 North Second street, Philadelphia. Brick, 2 stories add., 12x6 feet, general alterations. Contract awarded to Joseph Goldfarb, 2523 South Reese street, Philadelphia.

Manufacturing Building, Northwest Corner Stenton and Wyoming avenues, Philadelphia, \$2,000. Architect, private plans. Owners, Rodgers Hosiery Co., on premises. Concrete, 1 story, 16x152 feet. Contract awarded to R. M. Peterson & Son, 16 Queen Lane, Philadelphia.

Residence, East side Simms street, South of County Line road, Philadelphia, \$10,000. Architect, private plans. Owner, Miss Winifred Vorrin, 901 East Tioga street, Philadelphia. Brick, 2 stories, 33x58 feet, 19x6 feet, hardwood and pine floors, electric light. Contract awarded to Alfred J. Kane, 3141 Memphis street, Philadelphia.

Residence, 6033 Rising Sun avenue, Philadelphia, \$6,500. Architect, private plans. Owner, M. Weintrob, 532 Wolf street, Philadelphia. Brick, 2 stories, 14x38 feet, 12x25 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Contract awarded to Albert Rosenberg, 4835 Darrah street, Philadelphia.

Storage Building, 1329 Girard avenue (rear), Philadelphia, \$4,000. Owners, A. Dorfner & Son Co., 1324 Girard avenue, Philadelphia. Brick, 1 story, 22x40 feet. Contract awarded to George Troxel, 1324 Girard avenue, Philadelphia.

Residence (add.), 2123 Orthodox street, Philadelphia, \$3,000. Architect, private plans. Owner, Pasqualio Arturo, on premises. Brick, 2 stories add., 15x25 feet. Contract awarded to Gartano Salvato, 2211 West Toronto street, Philadelphia.

Store, 7161 Germantown avenue, Philadelphia, \$2,500. Architect, private plans. Owners, James Johnson & Son, 7161 Germantown avenue, Philadelphia. Brick, 1 story, 14x50 feet, slag roof, pine floors, electric work. Contract awarded to Robert Christy, 101 West Mt. Airy avenue, Philadelphia.

Garage and Show Room, Northwest Corner Welsh road and Bustleton avenue, \$20,000. Architect, private plans. Owner, R. A. Erwin, 8533 Bustleton avenue, Philadelphia. Brick, 1 story, 70x15 feet, slag roof, cement floors, electric work. Contract awarded to Walter Freas, 9532 Bustleton avenue, Philadelphia.

Garage (add.), 316 South Fourth street, Philadelphia, \$20,000. Architect, private plans. Owner, Hyman Fisch, 316 South Fourth street, Philadelphia. Brick, 2 stories add., 62x172 feet, slag roof, cement floors. Contract awarded to Benjamin Borenstein, 1318 Belfield avenue, Philadelphia.

Stores (2), Northwest Corner Ridge avenue and Leverington street, Philadelphia, \$18,000. Owners, Mutual Holding Co., Mutual Trust Building, Philadelphia. Brick, 1 story, 18x50 feet, slag roof, pine floors, electric light. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Shop and Storage Building, 1002 Spring Garden street, Philadelphia, \$15,000. Archi-

tect, private plans. Owners, Union Transfer Co., on premises. Contract awarded to F. Jasperman, 2821 Richmond street, Philadelphia.

Tank, Northeast Corner Front and Olney avenue, Philadelphia, \$7,500. Owners, Heintz Manufacturing Co., on premises. Steel. Contract awarded to Chicago B. & I. Works, 30 Church street, New York.

Residence, 8300 Anderson street, Philadelphia, \$7,200. Architect, private plans. Owner, Natale Sirianni, Anderson street and Graver's Lane, Philadelphia. Brick, 2 stories, 24x32 feet, electric light. Contract awarded to Harry C. Moore & Son, Erdenheim, Philadelphia.

Garage and Storage Building, 446-52 Richmond street, Philadelphia. Architect, private plans. Owner, F. Ebinger, 448 East Richmond street, Philadelphia. Brick, 2 stories, 24x23 feet, slag roof, cement floors, electric work. Contract awarded to Frank L. Wintz, 1618 North Twenty-seventh street, Philadelphia.

Residence and Garage, Dyer and Rutland streets, Philadelphia, Pa. Owner, Wilfred Gray, 1211 Harrison street, Philadelphia. Stone, 3 stories, 42x35 feet, 17x19 feet, garage, 1 story, 29x23 feet, slate roof, hardwood and pine floors, tile work, electric light. Contract awarded to Cody Const. Co., 4627 Frankford avenue, Philadelphia.

Hangars (2), Southeast Corner Island road and Penrose Ferry road, Philadelphia, \$18,000. Owners, Ludington Exchange Co., Atlantic Building, Philadelphia. Iron on iron, 1 story, 70x92 feet. Contract awarded to Maryland Metal Building Co., Pennsylvania Building, Philadelphia.

Residence, Shelmire and Claridge Streets, Philadelphia, Penna., \$8,000. Architect, private plans. Owner, Alexander Wagner, 1103 Shelmire street, Philadelphia. Brick, 2 stories, 15x56 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Paul Sanders, 1103 Shelmire street, Philadelphia.

Residence, 3244 Germantown avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Mae Yundt, 301 Tabor road, Philadelphia. Brick, 2 stories, 17x42 feet, 16x33 feet, slag roof, hot water heat, electric light. Contract awarded to J. Charles Yundt, 301 Tabor road, Philadelphia.

Residence, South side Princeton avenue, West of Frontenac street, Philadelphia, \$6,000. Architect, private plans. Owners, E. & C. Capewell, 1868 East Schiller street, Philadelphia. Brick, 2 stories, 32x46 feet, hot water heat, electric light. Contract awarded to William Capewell, 1868 East Schiller street, Philadelphia.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

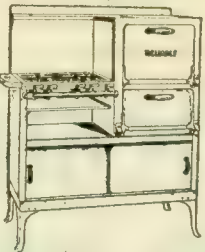
All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick
Paving Brick

Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR E

512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

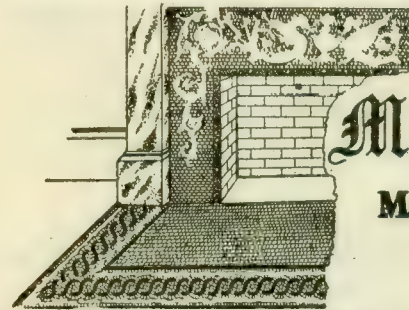
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Home. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STC

Protects Masonry S

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by apply

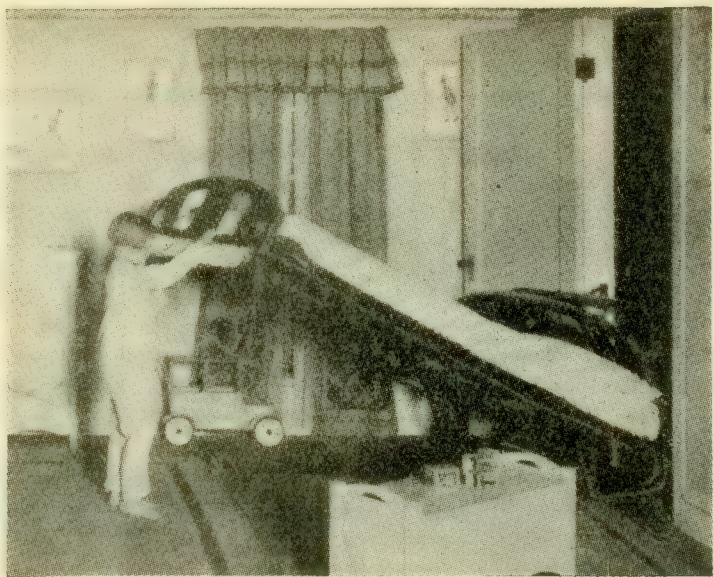
If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but i
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

EDS

es
gs
ill at our
n kitchen
boards as
ds

CO.
Building
4th Street
York
BED



A child can operate the bed

Portable, Convenient
ere represented sell
Specified Materials or
of their co-operation.



NETEX

faces

ks are beginning to show,
Truscon STONETEX.

d the concrete is spalling
opped by the application

it prevent moisture
so covers the surface
s flat. It does not
masonry.



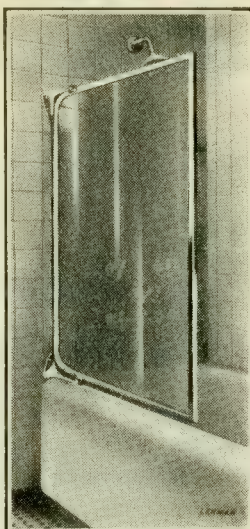
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS

TERRAZZO

CERAMICS

TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7976

Kensington 2343

Residence (add.), 1605 West Erie avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Mary L. Streeter, on premises. Brick, 2 stories add., 16x4 feet. Contract awarded to Henry P. Schneider, 3713 Old York road, Philadelphia.

Residence (add.), 8512 Stenton avenue, Philadelphia, \$4,000. Owner, T. McKee Allen, on premises. Brick, 2 stories add., 13x11 feet. Contract awarded to Townsend, Schroeder & Wood, Drexel Building, Philadelphia.

Dairy (add.), 424 Christian street, Philadelphia, \$4,000. Owners, Victor Dairy, on premises. Brick, 1 story add., 20x50 feet. Contract awarded M. Benjamin, 5913 Chestnut street, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Paving: Franklin street, Johnson to Bigler, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$12,122.28. Orange street, Conlin to Conlin, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$9,653.80. Addington street, Fifty-seventh to Fifty-ninth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$8,089.43. Loretta street, Bridge to Sanger street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$11,874.35. Redress granite block: Roxborough avenue, Mazzola & Marano, 738 South Seventh street, Philadelphia, \$3,756. **Dover street**, Stiles to Point North, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$2,813.43. Ellsworth, Passyunk to Ninth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$9,725.03. Harmony street, Gray's Ferry to Reed street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$9,048.06. Holly street, Haverford avenue,

Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$19,076.75. Hunting Park avenue, Germantown to York road, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$24,125.55. Hunting Park avenue, Twenty-second to Germantown avenue, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$29,603.90. Rochelle street, Manayunk to Northeast Retta street, Eastern Asphalt Co., 1600 Arch street, Philadelphia, \$21,823.10. Thompson, Third to Sixth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$13,649. C street, North of Boulevard, to Sheldon street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$11,031.65. Camac street, Nedro to Spencer street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$36,395.15. Champlost, Fifth to Sixth, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$29,367.05. Wyncote avenue, Limekiln pike, Ogontz avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$22,305. Paving, Sixty-fifth avenue, Seventeenth to Eighteenth, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$6,085.25. Sixty-eighth, Dicks to Dorrell, Sixty-ninth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$11,083.20. Silverwood, Belmore to Fountain street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$6,886.24. Granite block paving: Alter street, Twentieth to Twenty-first, J. S. Falvucci, 512 North Sixty-fifth street, Philadelphia, \$3,750.25. Catherine street, Front to Passyunk avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$24,296.85. Davis street, Crescent to Boone, United Paving Co., Real Estate Trust Building, Philadelphia, \$4,046.30. Fairmount avenue, Forty-second to Holly street, United Paving Co., Real Estate Trust Building, Philadelphia, \$2,625.60. Ramstead, Seventh to Eighth, C. G. Centrone, Bailey Building, Philadelphia, \$3,106.40. Eleventh street, Susquehanna to York, Frank H. Canuso & Son, 804 South Twelfth street, Philadelphia, \$14,112.60.

Sales and Service Building, Homestead and Cottman streets, Jenkintown, Pa. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Walker Cadillac, care of Mr. Walker, Twenty-fourth and Carpenter streets, Philadelphia. Size of lot 83x114 feet. Work contemplated. Plans not started.

Residence, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, name withheld. Stone, 2½ stories. Plans in progress.

School (add.), Borough of Morton, Delaware County, Pa., \$20,000. Owners, School Board, E. Josephs, Morton, Pa. Work contemplated.

Office Building, Sixty-ninth and Walnut streets, Upper Darby, Pa. Architects, Tunis & Baker, 1600 Arch street, Philadelphia. Owners, Delaware County Real Estate Board, W. A. Loomes, Upper Darby, Pa. Site selected.

Theatre, Lansdale, Pa. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Plans in progress.

Stadium, St. Cloud street, Allentown, Pa., \$50,000. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, School District, City of Allentown, T. P. Wenner, secretary, 31 South Penn street, Allentown, Pa. Concrete. Preliminary plans in progress.

Bank, Bethlehem, Pa. Architects, Vischer & Burley, 51 East Forty-second street, New York. Owners, First National Bank, R. S. Taylor, 535 Main street, Bethlehem, Pa. Plans in progress.

Club House, Allentown, Pa. Architect, not yet selected. Owners, Allentown Women's Club, Allentown, Pa. Work contemplated.

Residences (32), North side Arvon road, between Madeira and Shelbourne road, Upper Darby, \$4,500 each. Owner, David Malamed, 1755 South Fifty-fifth street, Philadelphia. Brick, 2 stories, 15x52 feet, hardwood floors, electric light, cinder block. Owner will build.

Residence and Garage, Northeast Corner Concord and State road, Drexel Hill, Pa., \$7,000. Owner, J. W. McFarland, 2805 State road, Drexel Hill, Pa. Frame, clapboard, 2 stories, 24x53 feet, garage, 10x18 feet, hot water heat, electric light, hardwood floors, tile work. Owner will build.

Swiss Chalet and Garage, Phoenixville, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Charles E. Farrington, Phoenixville, Pa. Frame, steel, concrete, timber, 3 stories, 30x40 feet, thatched and variegated asphalt shingle roof, concrete and oak floors, steel casements, fireproof garage, stucco, cork insulation, refrigeration, stone, fireplaces, Morgan doors, electric light, steam heat, oil burner. Plans in progress. Owner will take bids.

Factory, Lansdale, Pa. Architects, Franklin & Conner, Inc., Otis Building, Philadelphia. Owners, Perfect Foods, Inc., on premises. Brick, reinforced concrete, steel, 2 sto-

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

Pennsylvania Construction News

Swimming Pool, Elmwood Park, Norristown, Pa., \$3,000. Engineer, F. T. Corson, Norristown, Pa. Owner, G. N. Althous Post of American Legion, Major Romanus Fellman, Chairman, Norristown, Pa. Size of pool, 75x159 feet, 18 to 24 inches in depth. Work contemplated.

Town Hall, Borough of Morton, Del. Co., Pa., \$40,000. Architect not selected. Owner, Borough of Morton, W. H. Hunn, Morton, Pa. Work contemplated.

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

ries and basement, 115x41 feet (heating, electric reserved), Carey roof, cement floors, rolled steel sash, kalamein doors, ornamental iron work, steel stacks. Architects taking bids due April 23rd at noon.

Sunday School (add. and alts.), Danville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Trinity Lutheran Church, Rev. E. R. Leisey, Danville, Pa. Brick, stone, 2 stories and basement, slate roof, hardwood floors, electric light. Owners, care of J. F. Gehrig, secretary of Building Committee, Danville, Pa., taking bids due April 22nd at 6 P. M.

School (completion), Glenolden, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Education, Glenolden, Pa. Construction, plumbing, heating. Certified check, 5 per cent. Owners taking bids due May 4th, 8 P. M. Plans will be ready for contractors in about 10 days.

Store Building, 14-18 West Broad street, Hazleton, Pa. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, concrete, stone, granite, steel, 2 stories and basement, 150x40 feet, slag roof, cement, oak and linoleum floors, plumbing, metal weather strip, waterproofing, copper store fronts, bond, ornamental iron work, brass pipe, waterproofing, electric tile and marble work, rolled steel skylights, tin-clad doors, metal partitions, Stedman naturized floors. Owners taking bids due April 22nd.

Residence and Garage, Reading, Pa. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owner, H. N. Nolde, Ninth and Douglas streets, Philadelphia. Stone, brick, reinforced concrete, steel, cut stone, 2½ stories and basement, 72x25 feet, wing 48x25 feet, variegated slate roof, steam heat, electric light, tile and marble work, metal lath, casement doors, bond, ornamental iron work, casement windows, brass pipe, incinerator, septic tank, leaded glass, caststone, flagstone, waterproofing, plumbing, cement, oak, pine, linoleum floors. Architects taking bids due April 26th.

Residence, Indian Creek road, Overbrook, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Edward S. McKaig, care of architect. Architects taking bids due April 25th.

Fire House, Drexel Hill, Pa., \$60,000. Owners, Drexel Hill Fire Co., George E. Hill, president, Drexel Hill, Pa. Work contemplated.

School Building, Summit avenue, Second and Fourth street, North Wales, Pa. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Board of Education, H. N. Snyder, North Wales, Pa. General construction, plumbing, heating, electric and ventilating. Owners taking bids due May 3rd, 8 P. M.

Residence and Garage, Shawnee and St. David's road, Merion Golf Manor, \$25,000. Architect, private plans. Owner, H. E. Kramer, 312 Pasher road, Ridley Park, Pa. Stone, clapboard, 2½ stories, 28x36 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

School, Pottstown, Pa. Architects, Hassness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, Board of Education, F. C.

E. Muhlhouse, Pottstown, Pa. All bids rejected.

School (add.), School House road and Coleman street, Plymouth Township, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owners, School District of Plymouth Township, R. Hallman, Conshohocken, Pa. Low bidders: F. J. Shuler, Norristown, Pa., \$23,335; Roy Randall, Jenkintown, Pa., \$24,987. Plumbing, J. M. O'Donnell, Quakertown, Pa., \$2,299. Heating, American Heating & Ventilating Co., Schaff Building, \$4,471. Electric, Chrissman & Quillman, Norristown, Pa., \$666.

Junior High School (add.), Market street, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Marcus Hook, Pa. Low bidders: J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia, \$40,300; J. M. Holden, Chester, Pa., \$42,479. Electric, Electric Const. Co., Wilmington, Del., \$3,998. Heating, Mechanical Equipment Co., 214 S. 12th Street, Philadelphia, \$22,949. Plumbing, Fred Wackenhut, 2416 Frankford Avenue, Philadelphia, \$1,595.

Street Improvement, Marcus Hook, Pa. Assistant engineer, C. F. Baker, Chester, Pa. Owners, Borough of Marcus Hook, R. C. Rennall, Marcus Hook, Pa. Concrete paving of various streets. Owners taking bids due May 2nd, 8 P. M. Certified check, \$150.

Storm Sewers, Upper Darby, Pa. Engineer, A. F. Damon, Municipal Building, Upper Darby, Pa. Owners, Commissioners of Upper Darby, Pa. Owners taking bids due April 27th. Certified check, 10 per cent.

Township Hall (alts.), Long lane and Garrett road, Upper Darby, Pa. Owners, Board of Commissioners, Upper Darby, Pa. Plaster in and laying oak floors. Certified check, 10 per cent. Owners taking bids due April 27th.

Widening Bridge, No. 57, Garrett road, over Naylor Run, Upper Darby, Pa. No. 189, Chester River Bridge. Owners, Delaware Co. Commissioners, G. T. Wades, Media, Pa. Owners taking bids due April 26th, 11 A. M. Certified check, \$500 each. Deposit, \$5 each, refunded. Bridge No. 67, repairs by cement gun. Bridge No. 189, 87-foot span bow string, reinforced concrete arch.

Pennsylvania

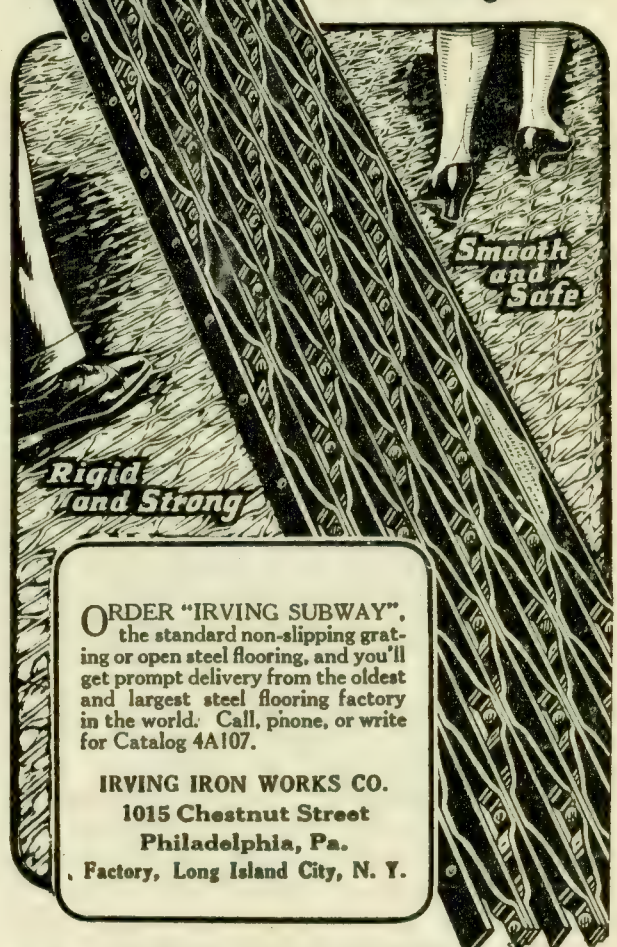
Contracts Awarded

Buildings, Pottstown, Pa. Architect, S. T. Wagner, 12th and Market Sts., Phila. Owner, Reading R. R., 12th and Market Sts. Phila. Brick, reinforced concrete, steel, hot water heat, electric light, metal lath, rolled steel sash, fire doors, bond, ornamental iron work,

iron pipe, area gratings, architectural terra cotta, concrete, pine floors, hollow tile, concrete retaining walls, paving, piers, steel shelving, metal lockers, rolled steel shutters, asphalt floors, dumbwaiters, plumbing. Office building, 2 stories, 40x30 feet, additional 1 story over freight house 61x30 feet, freight house, 30x196, 1st open. Owner, v-4 ET ETET house, 1 story open platform 17x217 feet. Contract awarded W. L. Hampton, Pottstown, Pa.

Residence, Garage, Gardner's Cottage, Wynnewood, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, George W. Shissler, Land Title Building, Philadelphia. Stone, 2½ stories and basement, various sizes, slate roof, oak and pine floors, hot water heat, electric light, metal

Always-When You Need Gratings —

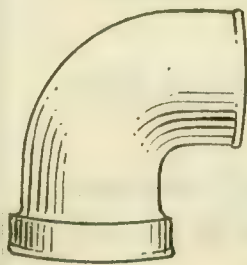


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING SUBWAY FLOORING

Clausen Service —



It is efficient every working day of the year. Get in the habit of buying your

TERRA COTTA SEWER PIPE FLUE LINING WALL COPING

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

lath, tile work, ornamental iron work. Contract awarded E. H. Keefer & Son, 1321 Rodman street, Philadelphia.

Swarthmore Central Office Building (alts. and add.), Swarthmore, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Stone, brick, stucco, 1 story and basement, 31x26 feet, slate roof, cement and pine floors, painting, glazing, plastering, hardware, hot water heat, electric light, bond, waterproofing, architectural terra cotta. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Ashland School (add.), Lower Merion Township, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owners, Lower Merion Township School Board, Merion, Pa. Brick, limestone, stone, 2 stories, 149x50 feet (plumbing, heating, electric, ventilating, linoleum floors separate), slag roof, pine and cement floors, hollow tile, roof ventilators, bluestone, tile, marble and terrazzo work, rolled steel sash, bond, ornamental iron work, iron stairs, area gratings. Contract awarded David Lutz Co., Twenty-third and Chestnut streets, Philadelphia.

Store and Apartment, Southwest Corner Lancaster and Rittenhouse Place, Ardmore, Pa., \$74,000. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Harry J. Ritterhouse, Ardmore, Pa. Brick, steel, 3 stories and basement, 24x80 feet, hot water heat, electric light, metal lath, slag roof, cement floors, ornamental iron work, bond. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia, Pa.

Residence, Whitemarsh, Pa. Architect, R. W. Pollock, 8 South Hicks street, Philadelphia. Owner, Charles W. Denby, care of architect. Stone, cinder block, shingle roof, oak and pine floors, hot water heat, electric light, tile work, metal lath. Contract awarded J. Simmons, 121 Greenwood avenue, Jenkintown, Pa.

Residence (alts. and add.), County Line, East of Easton road, Bucks County, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owner, Hutchinson S. Comly, on premises. Stone, 2½ stories and basement, slate and tin roof, electric work, pine and cement floors, plastering, carpentry and mill work, painting and glazing, metal lath, tile and marble work, ornamental iron work, brass pipe, flagstone, plumbing. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia.

Church (alts. to basement), Doylestown, Pa.

Architect, A. Oscar Martin, Doylestown, Pa. Owners, First Baptist Church of Doylestown, Doylestown, Pa. Stone, steam heat, electric light, metal lath, pine, cement floors, stone work, painting, glazing, hardware, plastering, dampproofing, ornamental iron work. Contract awarded Roy Randall, Jenkintown, Pa.

Home (add.), Chatham, Pa. Architects, associate, S. Wasserman and Charles R. Peddle, 119 South Fourth street, Philadelphia. Owners, Maccabees' International Home, Chatham, Pa. Cement block, stucco, 3 stories and basement, 77x62 feet, slate roof, pine floors, plumbing, metal ceilings, ornamental iron work, iron stairs, metal lath, tile and marble, bond, concrete foundations, iron pipe, bluestone. Contract awarded Mazer Co., 2213 Green street, Philadelphia.

Residence, Noble Vista, Pa. Architect, Paul L. Hesser, 225 South Sixth street, Philadelphia. Owner, L. Gilroy, care of architect. Stone, 2½ stories, 35x38 feet, slate roof, oak and pine, cement work, hot water heat, electric light, metal lath, tile work. Contract awarded W. John Stevens, Real Estate Trust Building, Philadelphia.

Parish House, Norristown, Pa. Architect, Edward T. Boggs, 225 South Sixth street, Philadelphia. Owners, St. John's Protestant Episcopal Church, Norristown, Pa. Brick, 2 stories, 32x90 feet, wing 28x40 feet, slate roof, oak and pine floors, metal lath, tile work, ornamental iron work. Contract awarded Friend-Reiff Co., Norristown, Pa.

Residences (54), East and West side Woodcliffe road, Stonehurst Hill, Pa. Owner, Anna McClatchy, Sixty-ninth and Market streets, Philadelphia. Brick, 2 stories, 14x35 feet, slag roof, electric light. Contract awarded Samuel Smith, care of owner.

Borough Hall, Bristol, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Borough of Bristol, Pa. Brick, concrete block, 2 stories and basement, 95x106 feet, slate roof, pine floors, plumbing, steam heat, electric light, metal lath, plumbing, ornamental iron work. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence, Wyndmoore, Pa. Engineer, Hugh A. Hamilton, Cheltenham avenue and Greene street, Philadelphia. Owner, James Monroe Aiman, 8140 Germantown avenue, Philadelphia. Stone, 2½ stories and basement, 22x40 feet, copper roof, oak and pine floors (plumbing, heating, electric reserved), metal lath, tile work. Contract awarded Hugh A. Hamilton, 8140 Germantown avenue, Philadelphia.

Washington School (add.), Salisbury Town-

ship, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Salisbury Township School Board, J. T. Mory, secretary, Route 2, Allentown, Pa. Brick, 2 stories, 35x70 feet, built-up roof, maple floors, iron stairs. Contract awarded to John Hilda-beidel, Mountainville, Pa.

Overhead Bridge, Lewistown Junction, Pa. Engineer, E. P. Temple, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Reinforced concrete span, structural steel, concrete piers, 30 feet wide, 500 feet long. Contract awarded M. J. McManamin, Commercial Trust Building, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Berks County, R-149, Heidelberg Township. Grading and drainage. Contract awarded to W. H. Murphy & Sons, Harrisburg, Pa., \$8,-817.10.

Northampton County, R-471, A-4164, Lost Allen and Moore Townships, Bath Borough. One course reinforced concrete. Contract awarded to William Eisenberg, Camden, N. J., \$134,799.59.

Berks County, A-4425, Ruscombmanor Township. One course reinforced concrete. Contract awarded to Michael Staub, Reading, Pa., \$74,136.62.

Berks County, R-518, Sec. 1A-3592, Cumru Township. One course reinforced concrete. Contract awarded Field, Barker & Underwood, Philadelphia, Pa., \$178,148.23.

Norothampton County, A-4473-74, Palmer and Bethlehem Townships. One course reinforced concrete. Contract awarded J. M. Hutchinson, Altoona, Pa., \$192,512.50.

Blair County, A-4233, Logan Township. One course reinforced concrete. Contract awarded to Lynn A. Brua, Jr., Hollidaysburg, Pa., \$28,-748.98.

New Jersey Construction News

Apartment House (alts.), Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owner, N. A. K. Bugbee, 206 East Hanover street, Trenton, N. J. General alterations, hardwood floors, electric light, tile work, partitions. Plans in progress.

Residences (15), Morton street, East of Norris street, Camden, N. J. Engineer, Lloyd Cross, Philadelphia, Pa., and Delanco, N. J. Owners, Morton Home Builders' Corporation, Charles Dovi, 1400 Van Hook street, Camden, N. J. Cement block, brick, steel, painting, glazing, lumber, carpentry, mill work, sheet metal. Owners taking sub-bids.

Residence, Hammonton, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owner, Louis J. Petrecca, Hammonton, N. J. Brick, hollow tile, 2½ stories, 26x40 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner ready for bids.

Residence, Northfield, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owner, Leonard Finkle, 7 North New Hampshire avenue, Atlantic City. Frame, 2½ stories, 24x35 feet, composition roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Residences (4), Longport, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owners, Robinson Home Building Corporation, Delaware and Baltic avenues, Atlantic City, N. J. Frame, 2 stories, 22x30 feet, composition roof, hardwood floors, hot water heat, electric light, tile work. Owners will build.

Armory, Atlantic City, N. J. Architects,

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof

Call Lansdowne 2467 W

WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

Division of Architecture and Construction, Trenton, N. J. Owners, State Armory Board, care of Department of Institutions and Agencies, Trenton, N. J. Brick, steel, 2 and 3 stories, 269x143 feet, composition roof, hardwood floors, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, fire doors, rolled steel sash, tile work (heating, plumbing and electric separate. Architects ready for bids.

Chapel, Avalon, N. J. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, Sacred Heart of Jesus Mission, Avalon, care of Fr. Moroney, St. Ann's Church, Wildwood, N. J. Frame, stucco, hot water heat, 40x80 feet, slate roof, pine floors, electric light, plumbing. Architect taking bids due April 25th.

Residences (2), Garage (1), 1212-14 Lansdowne avenue, Camden, N. J. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Tony Prawdzik, 1213 South Tenth street, Philadelphia. Brick, 2 stories, 14 feet 4 inches x 56 feet, slag roof, pine and cement floors, hot water heat, electric light, garage, 1 story, 18x18 feet. Permit issued.

Residences (5), 938-46 Morton street, Camden, N. J., \$15,500. Architect, private plans. Owner, Edward Praiss, 1566 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 16x50 feet, 14x50 feet and 14x37 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, 1214 Beideman avenue, Camden, N. J., \$4,000. Architect, private plans. Owner, Otto Borman, 1208 Beideman avenue, Camden, N. J. Block, 2 stories, 24x38 feet, slate surface roof, hot water heat, electric light. Permit issued.

Parkside School, Camden, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, M. Wessel, Chairman of Committee, Camden, N. J. Low bidders: R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$35,713; George Shaner & Son, Palmyra, N. J., \$41,450.

School (add. and alts.), Cinnaminson, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owner, H. G. Taylor, Jr., Taylor Lane, Riverton, N. J. Lowett bidder: Charlee S. Moses, Edgewater Park, N. J., \$14,875; plumbing, A. Ford, Mt. Holly, N. J., \$1,300; heating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$2,694.

Gutters, Curbs, Sidewalks, Street Grading, Pensauken, N. J. Architects, Remington & Vosbury, Camden, N. J. Owners, Township Committee, R. V. Peabody, Pensauken, N. J. Owners taking bids due April 25th, 8 P. M. 192,000 square feet concrete sidewalks, 4,700 lineal feet concrete curbs, 5,000 square yards 6-inch gutters, 3,000 square yards 8-inch reinforced gutters, all necessary grading, bond. Deposit \$15, refund \$5. Certified check, 10 per cent.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 5, Section 18, Buttzville to Great Meadows, Warren County. Excavation, hard rock excavation, borrow, double line reinforced concrete pavement and (1) small span bridge and (2) small span bridge extensions. Owners taking bids due April 25th, at 11 A. M. (Eastern Standard Time). Certified check, 10 per cent. Deposit, \$10.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Low bidders on work received April 11th: Route 16, Section 10, Harlingen to Bolmers Corner, Somerset County. Conrad Sebolt, New Brunswick, N. J., \$210,869.17.

Route 17, (South) Section 1, fill and macadam roadway, Paulsboro Causeway in Gloucester County. S. G. Corson, Marmora, N. J., \$111,072.81.

Causeway, Paulsboro, Gloucester County, N. J. Owners, Board of Freeholders, Gloucester County, N. J. Low bidder, F. G. Corson, Marmora, N. J., \$11,072.

Pumping Station Building and Equipment, Paulsboro, N. J. Engineer, W. H. Boardman, 426 Walnut street, Philadelphia. Borough engineer, J. R. Moreland, Paulsboro, N. J. Owners, Borough of Paulsboro, B. L. Slye, Paulsboro, N. J. Construction of building, 2 test wells, 1 16-inch artesian well, equipment. Certified check, \$500. Owners taking bids due April 26th, 8 P. M.

Retaining Wall, Haddonfield High School, Haddonfield, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Board of Education, B. M. Wilson, Haddonfield, N. J. Deposit, \$15; refund, \$10. Owners taking bids due April 21st, 8 P. M.

Equipment, Lakehurst Water System, Lakehurst, N. J. Engineers, Sherman & Sleeper, 501 Cooper street, Camden, N. J. Owners, Borough of Lakehurst, F. Forcanser, Lakehurst, N. J. Owners taking bids due April 28th, 8 P. M.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 8, Sec. 10, Verona to Passaic River Bridge, near Singac, Essex and Passaic Counties. Unclassified excavation, double line reinforced concrete pavement, concrete curb. Certified check, 10 per cent. Deposit, \$10. Owners taking bids due May 2nd, at 11 A. M. (Eastern Standard Time).

New Jersey Contracts Awarded

Bank, Brunswick and Olden streets, Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Security National Bank, care of architects. Brick, steel, 1 story, 50x60 feet, asphalt roof, tile and concrete floors, linoleum, roof ventilators, iron gratings, wrought iron grills, steel stairs, ornamental plaster, revolving doors, fire and kalamein doors, steel sash, tile and marble (heating, plumbing, electric and vault reserved). Contract awarded to Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Colonial Residence, West Atlantic City, N. J. Architect, A. L. Brooks. Humphreys Building, Atlantic City, N. J. Owner, L. L. Jones, 1019 Atlantic avenue, Atlantic City, N. J. Brick, frame, 2½ stories, 30x56 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Benjamin Fox, West Atlantic City, N. J.

Store and Show Room (alts. and add.), 575 Mickle street, Camden, N. J., \$11,000. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owner, William J. Kelly, on premises. Brick, cinder block, stucco, 3 sto-

ries and basement, 76x17 feet, slag roof, maple and pine floors, cement floors (heating, lighting reserved), metal lath, tile work. Contract awarded J. W. Draper, Camden, N. J.

Residence, 865 North Thirtieth street, Camden, N. J., \$4,000. Architect, private plans. Owner, Leonard Whittendale, Camden, N. J. Frame, 2 stories, 22x28 feet, asphalt shingle roof, hot air heat. Contract awarded to Daniel Phillips, Oaklyn, N. J.

Residences (5), Garage (1), 953-61 Jackson street, Camden, N. J., \$18,000. Architect, private plans. Owner, Stephen Fiderko, Camden, N. J. Brick, 2 stories, 14x34 feet, slag roof, pine and cement floors, pipeless heater, electric light, garage, 1 story, 9x17 feet. Contract awarded to Barney Podushak, 1628 Kolo street, Camden, N. J.

Residences (2), 925-27 Morton street, Camden, N. J., \$8,000. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Stephen Dudek, 2224 East Venango street, Philadelphia. Brick, 2 stories, 14x42 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Anthony Kineler, 1527 Norris street, Camden, N. J.

Building (add. and alts.), 424 South Third street, Camden, N. J., \$2,000. Architect, private plans. Owner, P. Passeri, on premises. Brick, 2 stories, 11 feet 6 inches x 15 feet, slag roof, general alterations. Contract awarded to Guiseppi Corbo, 317 Stevens street, Camden, N. J.

Sewage Disposal Plant, Maple Shade, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Burlington County Commissioners, Maple Shade, N. J. Contract awarded W. S. Sowell, Mullica Hill, N. J., \$126,873.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel
FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

Mantoloking Drawbridge, Ocean County, N. J. Owners, Ocean County Board of Freeholders, Camden, N. J. General repairs. Contract awarded Coast Const. Co., Red Bank, N. J., \$2,070.

Sewage Extension, Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Township Commissioners, R. V. Peabody, Pensauken, N. J. Contract awarded New Jersey Const. Co., Pensauken, N. J., \$8,616.35.

Bridge, over Overbrook Terrace, Collingswood, N. J. Engineer, E. B. Temple, 607 Pennsylvania Railroad Building, Philadelphia. Owners, Atlantic Division, Pennsylvania Railroad, Broad Street Station, Philadelphia. Concrete structural steel. Contract awarded T. J. Foley, Fulton Building, Pittsburgh, Pa.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 7, Sections 5A and 6A, Freehold to Manalapan, Monmouth County. Contract awarded to Michael Staub, Pitman, N. J., \$223,030.69.

Route 7, Section 7A, Hightstown to Manalapan, Mercer, Middlesex and Monmouth Counties. Contract awarded to Michael Staub, Pitman, N. J., \$256,393.55.

Miscellaneous Construction News

Church, Norwalk, Conn. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, St. Paul's Protestant Episcopal Church, Rev. L. B. Howell, Norwalk, Conn. Stone, steel, 1 story, 66x100 feet, slate roof, hollow tile, cut stone, tile and marble, metal lath, hot water heat, electric light. Architects ready for bids.

Barracks Building, Fort Brogg, N. C. Architects, Construction Service, Office of Quartermaster, Washington, D. C. Owners, United States Government, United States Army, Washington, D. C. Brick, granite, stucco, steel, 3 stories and basement, 450x70 feet, variegated slate tile built-up roof, cement, mastic, pine floors, hollow tile, bond, waterproofing, brass pipe, ornamental iron work, metal partitions, galvanized iron pipe, plumbing. Owners taking bids due April 28th.

Miscellaneous Contracts Awarded

Mill Building, Greensboro, N. C. Architect, C. H. Fries, Frankford and Oxford avenues, Philadelphia. Owners, Greensboro Full Fashioned Hosiery Mills, Inc., on premises. Brick, 2 stories, 107x210 feet, asphalt roof, cement floors, composition floors, plumbing, celotex, electric light, unit heat, rolled steel sash. Contract awarded William F. Lotz, Frankford avenue and Oxford pike, Philadelphia.

Convent, Fourteenth and French streets, Wilmington, Del. Architects, Gleeson & Mulrooney, 250 South Broad street, Philadelphia. Owners, St. Patrick's Roman Catholic Church, Rev. J. L. McSweeney, Wilmington, Del. Brick, stone, terra cotta, 3 stories, 40x62 feet, Barrett Specification roof, hardwood floors, structural steel, incinerator, plumbing, flush doors, metal lath, tile work, vapor heat, electric light. Contract awarded J. E. Healy & Son, 707 Tatnall street, Wilmington, Del.

You can't expect to do your "bit" of this busy world's business unless you enlist in the advertising ranks.

STATEMENT BY COMMITTEE APPOINTED TO SURVEY THE GENERAL CONDITION OF THE FIRST MORTGAGE REAL ESTATE BOND BUSINESS

At a meeting called last November in New York City by the American Construction Council, and attended by a large number of bankers, contractors, architects, accountants and representatives of investment banking and first mortgage real estate bond houses, the American Construction Council was asked by resolution to appoint a committee of seven representatives of the first mortgage real estate bond houses, of which committee Mr. Franklin D. Roosevelt, President of the Council, was to be chairman "to survey the general condition of the real estate bond business and to co-operate in such survey with the committee of the Securities Commissioners of the several states, with power to add to its membership and to appoint sub-committees and to report at a subsequent meeting of this body at the call of the chair."

Pursuant to the foregoing resolution Mr. Roosevelt appointed the following committee:

Edgar N. Greenebaum, Greenebaum Sons Investment Co., Chicago, Ill.

Wm. J. Moore, American Bond & Mortgage Co., New York City.

Alfred J. Murphy, Federal Bond & Mortgage Co., Detroit, Mich.

G. Bryan Pitts, The F. H. Smith Co., Washington, D. C.

Edward Sonnenschein, Chicago Mortgage Bankers' Association, Chicago, Ill.

S. W. Strauss, S. W. Strauss & Co., New York City.

J. M. Ulmer, Mortgage Bankers' Association of Ohio, Cleveland, Ohio.

This committee has since then been in almost continuous session, and a full and frank discussion of the methods of this very large and important part of the financial and building structure of the country has been had. The committee has examined, so far as possible, into every phase of the transactions of purchase, construction, interest and amortization. The committee has also had the advantage of frequent consultation with Mr. A. J. Maxwell, President of the National Association of Securities Commissioners, popularly known as the "Blue Sky Commissioners," and with the Committee on Real Estate Mortgage Bonds of that Association, consisting of Messrs. David H. Jennings, Indianapolis, Ind., Hezekiah N. Duff, Lansing, Mich., Keys Winter, Deputy Attorney General of New York State, and R. E. McNellis, Nashville, Tenn., and with the counsel for that committee, Maurice L. Mendenhall, Indianapolis, Ind.

The committee is not yet ready to make a final report, but does believe that the public should now be informed that on January 21st, at a meeting in Chicago, representatives of six large bond houses entered into an agreement adopting certain principles or canons of procedure. This agreement was signed by Greenebaum Sons Investment Co., of Chicago, American Bond & Mortgage Co., of Chicago, The F. H. Smith Co., of Washington, D. C., Federal Bond & Mortgage Co., of Detroit, and S. Ulmer & Sons, Inc., of Cleveland. It was stated in writing by S. W. Strauss & Co., that it would comply with the requirements of the agreement, declaring further its adherence to its own practice, providing that it be simply in addition to and not in diminution of said requirements. All of the committee of the National Association of Securities Commissioners, referred to above, except Mr. Keyes Winter, Deputy Attorney General of New York State, gave their approval in writing to the draft of principles or canons of conduct; Mr. Keyes Winter stated that those portions of the agreement over which he had jurisdiction were satisfactory to him in so far as they conform to the principles of absolute separation of trust accounts from the risks of the business and of notice to bondholders of defaults.

The agreement is as follows:

We, the undersigned, first mortgage real estate bond houses, recognize as essential for the proper conduct of the business in which we are engaged, certain principles which will insure the financial stability and correct economic conduct of houses of original issue selling such issues principally at retail directly to the investor, and do hereby adopt and subscribe to the following business principles as accomplishing that end:

Duties of Houses of Issue

All first mortgage real estate bonds that shall be sold by the house shall be safe and conservative investments.

It shall be the duty of each house:

(a) To provide and maintain funds necessary for, and to make, all payments in connection with the construction project in accordance with the terms of the underwriting agreement.

(b) To check and supervise construction in order to procure substantial compliance with the plans and specifications.

(c) To guarantee to the bondholders completion of the building free and clear of prior liens, such guarantee to be fulfilled at the option of the house of issue, either by completion of the building or by the repurchase of the bonds at the original purchase price and accrued interest.

It shall be the continuing duty of each house:

(d) To check and enforce the proper physical maintenance of the security after completion.

(e) To check and enforce maintenance of insurance.

(f) To check and enforce payment of all taxes and assessments when due.

(g) To check and enforce compliance by the borrower with requirements of all laws and ordinances and other governmental regulations.

(h) To provide for the collection of principal interest and income tax payments from the borrower, and to provide adequate facilities for payment of same to the holders of securities as and when the same are due.

Trustee

For the purpose of carrying out the foregoing and other duties, the house of issue shall either act as trustee or provide a trustee to take title under the indenture. Where the trustee is not a bank or trust company under public supervision, the trustee shall be an officer or director of the house of issue and where the trustee is not an independent bank or trust company under public supervision the house of issue shall be fully responsible for all acts of omission or commission by the trustee to the same extent as if the house of issue were itself the trustee. The assumption of such responsibility by the house of issue shall be authorized by proper resolution adopted by the house of issue set forth in its minutes, and by such other formal instruments of assumption as may be requisite. The appointment of an officer or director of the house of issue shall not preclude the appointment of an additional trustee, but the appointment of such an additional trustee shall not in any event relieve the house of issue of its responsibility. In any event where the house of issue or any of its officers or principal stockholders has any interest in the equity, the trustee and—or the additional trustee shall be an independent trustee.

Advances of Money by House of Issue

The Trust Deed shall provide that when the house of issue advances funds for principal and—or interest, it shall be the duty of the house of issue, to pursue one of the following causes within ninety days after the maturity of such principal and—or interest payments:

(a) To subordinate such bonds and—or coupons to all unmatured bonds or coupons of the same issue; such subordination to be by physical endorsement on the bonds and by appropriate action with respect to the coupons.

(b) To notify the trustee and all holders of bonds of the same issue that funds were advanced by the house of issue and that it intends to hold all such bonds and—or coupons, on a parity with the balance of the issue.

If the notice provided for in paragraph

(b) shall not have been given, the subordination shall be automatic. Advances made by the house of issue for any payments due by the borrower shall hereafter be made only from the capital and surplus account of the house of issue.

Irrespective of subordination where the borrower fails for a period of eighteen consecutive months to pay at least one-third of the aggregate of principal and interest payments maturing during such period, the house of issue shall notify all holders of the bonds of the same issue of the default.

Appraisals

In order to assure conservative and sound appraisals and to facilitate their analysis, the house of issue shall provide and be prepared to furnish as required, an appraisal setting forth in detail all items upon which it is predicated, and the specific amounts or percentages allocated to each item, together with the names and qualifications of the appraisers. The publishing or furnishing of appraisals shall mean that in the judgment of the house of issue, based upon its own investigation, such appraisals are reasonable and sound. Irrespective of the value of the security as determined by appraisals, the borrower in every issue should be required to have a substantial investment in the project. Efforts shall be immediately initiated to secure a uniform basis of appraisals.

Circulars

Circulars should contain adequate information on the following points:

1. Location and description of security.
2. Ownership of property.
3. Name and identity of trustee.
4. Valuation of land or leasehold.
Valuation of buildings.
Name of appraisers.
5. Earnings (gross and net), whether actual or estimated.
6. Purpose of issue.
7. Amount of issue.
Interest rate.
Principal payments.
8. Provisions for and place of collection and distribution of principal, interest and income tax payments.
9. Guarantee of house of issue to bondholders, of completion of building, free and clear of prior liens, with right to discharge such liability at the option of the house of issue by the repurchase of the bonds at the original purchase price and accrued interest.
10. Full disclosure of any interest, direct or indirect, of house of issue or its officers or principal stockholders in the security other than as the house of issue.

Interim Receipts

Sales of securities before the permanent bonds are available, should be either through the sale of temporary bonds ex-

ecuted by the mortgagor, or interim receipts in which the trustee shall join as a party, and which shall certify that there has been delivered to the trustee a temporary bond which is held by the trustee for the benefit of the holders of interim receipts to the extent of their respective holdings.

Accounts

Each house of issue shall maintain a construction liability account, an interest and amortization account, and a capital account.

The construction liability account shall consist of all of the liabilities of the house of issue to borrowers on construction issues. The house of issue shall at all times have assets consisting of cash, governmental securities, assets convertible into cash within forty-eight hours, or bonds secured by uncompleted or completed buildings, or loans fully collateralized by such bonds, at least to the amount of the total liabilities in said construction liability account; provided, however, that none of the aggregate of said bonds shall be composed of bonds maturing in more than one year, which have been repurchased by the house of issue at the request of the holders thereof.

The interest and amortization account shall hereafter be carried as a separate trust account and shall consist of all of the liabilities for principal, interest and tax payments paid by borrowers to the house of issue before payment thereof to the holders of bonds. The house of issue shall at all times have assets consisting of cash, governmental securities, or other assets convertible into cash within forty-eight hours, at least to the amount of the total liabilities in said interest and amortization account.

Withdrawals of cash from either the construction liability account or the interest and amortization account shall be only to make payments for liabilities included in said accounts, or for the purchase of assets of the kind and character provided for in said respective accounts.

Solvency and Liquidity

The solvency and liquidity of the house of issue enabling it to promptly meet all obligations at maturity, shall be maintained at all times.

1. By the house of issue having on hand at all times assets consisting of cash, governmental securities, or other assets convertible into cash within forty-eight hours, in an amount in excess of all liabilities which will reasonably mature within thirty days, with the right to credit against the amount of such liabilities, an amount equal to one-half of the cash sales of the house of issue for the preceding thirty day period; but in no event shall the credit for such cash sales exceed two-thirds of the amount of the liabilities maturing within the following thirty days.

2. By having on hand assets in addition to those required under the provisions of section 1, which can reasonably under ordinary business conditions, be converted into cash within sixty days to an amount equal to at least 33 1-3 per cent. of all liabilities beyond those maturing in the ensuing thirty days, and other than capital and fully collateralized liabilities.

3. To maintain assets not in default and not frozen at least to the amount of all liabilities other than those named in provisions No. 1 and No. 2 and other than capital and fully collateralized liabilities.

Correct statements of financial condition, properly verified by independent, certified or public accountants, shall be regularly forwarded to the authorities of the various states having jurisdiction or supervision of the houses of issue or of the securities issued by them. The accuracy of the statements submitted as well as the general condition of the houses of issue should at all times be subject to inspection by the properly constituted authorities of the various states.

Effective Date

The above provisions shall become effective as to each house of issue subscribing hereto not later than ninety days after such signature, and shall refer only to issues made or purchased by the houses of issue thereafter and shall not be retroactive as to any issues made prior thereto, provided that the accounts above mentioned shall be set up as much prior to said ninety days as practicable.

* * *

We reiterate our belief and conviction that adherence to the foregoing business principles will insure the stability and integrity of our business, and enable us to function as a distinct and independent unit in the investment field, rendering effective and valuable aid in the development of the economic structure of the country.

Subscribed to by the following houses of issue at the dates set opposite their names:

Greenebaum Sons Investment Co., by Edgar N. Greenebaum, Vice Pres. Dated January 21, 1927.

American Bond & Mortgage Co., by William J. Moore, President. Dated January 21, 1927.

The F. H. Smith Company, by G. Bryan Pitts, Chairman of Board. Dated January 21, 1927.

Federal Bond and Mortgage Company, by Alfred J. Murphy, President. Dated January 21, 1927.

S. Ulmer & Sons, Inc., by J. M. Ulmer, Treasurer. Dated January 21, 1927.

The foregoing draft of principles and provisions for the conduct of the first mortgage real estate and bond business is hereby approved by the Committee of the

National Association of Securities. January 21, 1927.

David H. Jennings, Chairman; Hezekiah N. Duff, R. E. McNellis.

The Committee unanimously feels that this agreement is a long step in the right direction in an industry which during the year 1926 sold approximately a billion dollars of first mortgage real estate bonds to the public and which has been responsible for the construction of many needed buildings and for replacing obsolete structures.

Mr. Roosevelt, Chairman of the Committee, personally believes that before the Committee makes its final report further steps should be taken, but is of the opinion that the results obtained from the present agreement made by certain bond houses with the Committee of the National Association of Securities Commissioners will furnish a better basis of determining what those steps should be and how far they should go.

In view of the Chicago agreement, the Committee has adjourned to await the result of the present steps and to confer later to consider those results and other matters not yet disposed of by the Committee. In the meantime a sub-committee has been appointed to consider uniformity in appraisals.

The problem of making concrete watertight, detailing experiences of architects, engineers and contractors in various sections of the country, with data on the strength and permeability of concrete, is discussed in a recent bulletin of the National Lime Association under the title of "Watertight Concrete."

There is no mystery about making concrete watertight. First, the concrete must be made uniform and workable so that it reaches every corner of the forms and flows around the steel without pockets or bridges. Second, the voids must be filled. Hydrated lime does both. The microscope shows approximately 85 per cent. would pass through a screen having 860 meshes per linear inch, or 739,000 openings per square inch if such a screen could be made. These particles work into the voids and fill them so that water cannot penetrate. Even when the voids are filled, the water-tightening action of lime does not stop.

While void filling is well enough as far as it goes, there must be no porous areas like stone pockets, bridges or honeycombs. The action of lime prevents them, for lime makes concrete so workable that every corner of the forms is sure to be filled. All steel, even in the most intricate reinforcing, is completely and uniformly bedded in dense and homogeneous concrete. Segregation is eliminated and the steel is firmly gripped in rust-preventing concrete.

All concrete should be watertight. Concrete basements and floors must be kept dry; concrete sewers and mains should be kept tight; retaining walls, dams, reservoirs and swimming pools must be watertight; factory and office buildings will be more permanent if protected against water, it is asserted in the bulletin.

Water is one of the worst enemies of good concrete construction. Too much mixing water means weak, porous concrete and too great a variation in the moisture content after it has hardened causes cracks. "Just concrete" is no longer good enough. Engineers know that stresses due to moisture variations are greater than those due to temperature. Hydrated lime keeps the moisture content uniform, avoiding internal stresses and cracking. This is particularly evident in concrete road construction, where roads containing lime have only 50 to 70 clean cut transverse cracks per mile, while roads without lime may have from 200 to 300 ragged cracks in the same distance.

Where reinforcing steel is alternately damp and dry, as is the case with porous concrete, rust soon spalls off the concrete which covers the rods. Hydrated lime prevents this action in two ways, first by making a dense and uniform covering of the steel without danger of pockets or bridges, and second because its alkalinity prevents rust.

The use of hydrated lime by the leading architects, engineers, and contractors throughout the country, testifies to its reliability and continuing effectiveness. It is used by army engineers in river and harbor improvements, and the intricate and massive concrete in the Wilson Dam at Muscle Shoals all contains lime. Its cost is offset by the increase in workability and the decrease in handling expense.

The best way to make concrete watertight, according to the bulletin, is to add hydrated lime to the mix. The results are permanent and satisfactory. Permanence and void filling, high workability and uniformity, freedom from segregation and cracking, high strength and pleasing color are essential. Hydrated lime gives these qualities to concrete, and is carried in every building material dealer's stock.

Concrete containing lime is placed with less water than concrete without lime. The natural smoothness of the lime is imparted to the concrete and it flows down the chutes in a uniform and stiff but plastic mass, without clogging and without segregation. There is no need for the man at the mixer to flood the concrete in order to wash it down the chute and into the forms. The quakey mass handles easily, spades well, and when the forms are removed is smooth enough for any purpose.

Reference Directory for Architects, Builders and Owners

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp.20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N., Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N., Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co., Westmont, N. J.

GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A., 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph, South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co., Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp.20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VERNEERS (Wood)

H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Audubon Wire Cloth Co.Audubon, N. J.
Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

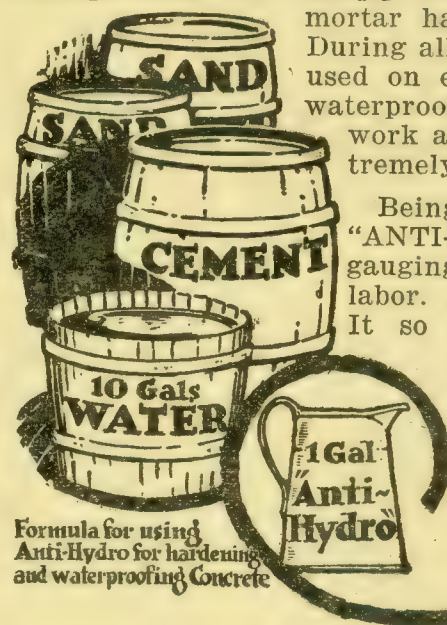
PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

Twenty-three Years Without a Change

This "ANTI-HYDRO" formula for permanently hardening, waterproofing and damp-proofing concrete, stucco and cement mortar has stood unchanged for 23 years. During all this time it has been successfully used on every type of concrete hardening, waterproofing, acid, alkali, and oil-resisting work and has never failed to produce extremely satisfactory results.



Being a liquid integral compound, "ANTI-HYDRO" mixes readily with the gauging water without the aid of skilled labor. It is easy and economical to use. It so enriches the concrete that one troweling is usually sufficient for a perfect finish. It also strengthens the concrete and accelerates the hardening of cement, thus eliminating costly overtime work.

"ANTI-HYDRO" is the oldest compound of its kind in existence. Use it on your next job for real, lasting satisfaction.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALT

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 17
April 27, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED

DETAILED

FABRICATED

ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets

PHILADELPHIA

BELL—MICHIGAN 2300

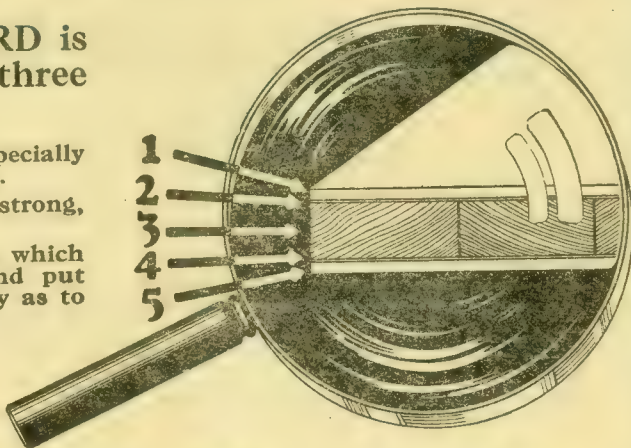
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Common Sense

seems to say, buy in the town that
supports you; yet, many firms
putting up new plants entirely forget
our local Architects, Builders and
Sub-contractors who should be first
choice.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue

PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR

ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY

WINDOW SKYLIGHT

PARTITION AND TOOL

ENCLOSURES

SCREENS

COAL

SAND

GRAVEL

STONE

ORE

COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHERS IN ALL METALS

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANNEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH

SHEETROCK
WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

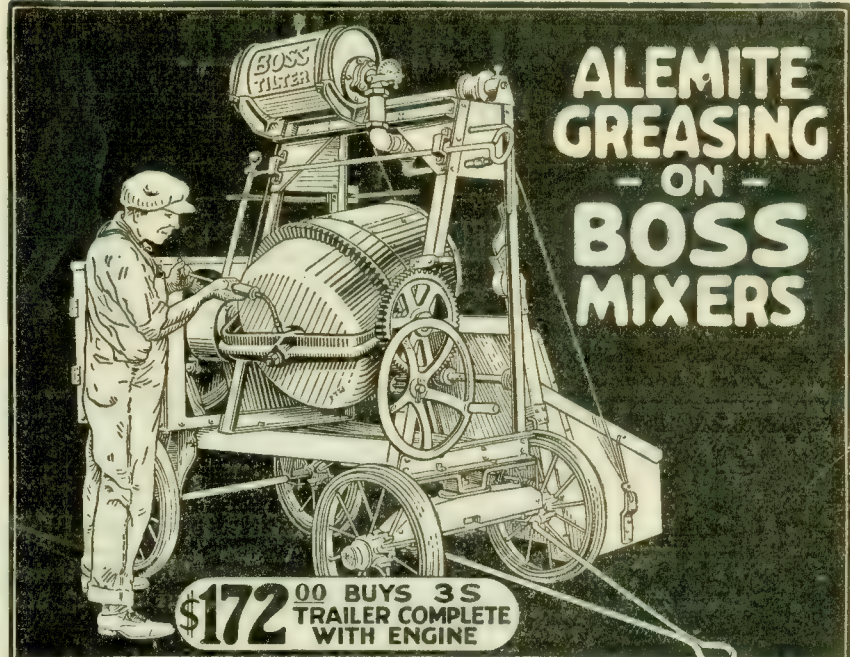
"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS



ONE BAG TILTER NOW AT HALF BAG PRICE

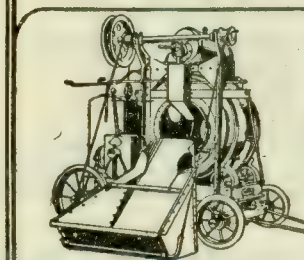
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES

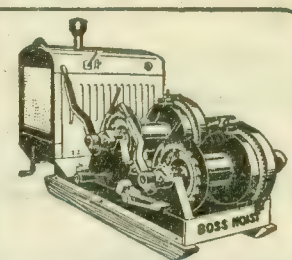


MIXERS

55 - 75
105 - 145
215 - 285
GAS
STEAM
ELECTRIC
ALLEY
STREET
PAVER

HOISTS

SINGLE
AND
DOUBLE
DRUM
REVERS-
ING
\$135
UP
FORDSON
WINCHES



BRICK

ELKINS PARK BANK

just nearing completion, is another
piece of Colonial architecture made
possible by the use of

EXCELSIOR ANTIQUES

The building was designed and executed
by the well known

HESSWIN COMPANY

A true colonial appearance and atmos-
phere can always be secured thru the
use of genuine kiln-burned

EXCELSIOR ANTIQUE BRICK

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

LUPTON

Pivoted Steel Sash

For All Industrial Construction

25 Sizes and Ventilator Arrange-
ments for Immediate Delivery

Regularly Specified for small as
well as large buildings

Phone, write or wire

Literature on request

DAVID LUPTON'S SONS CO.

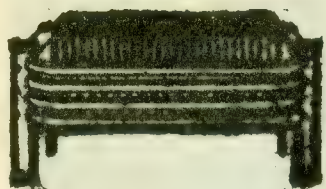
Allegheny Ave. and Tulip St., Philadelphia

Bell-REgent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

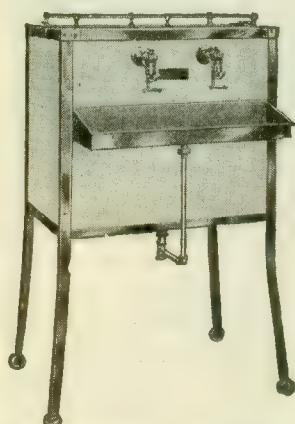


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII

Number 17

PHILADELPHIA

April 27, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage, Frankford, Philadelphia, \$15,000. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Brick, 2½ stories, 25x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Sketches in progress.

School and Auditorium (alts. and add.), Eighth and Spruce streets, Philadelphia. Architect, W. L. Charr, Victory Building, Philadelphia. Owners, Lincoln Preparatory School, care of architect. Brick, steel, 1 story, 18x48 feet, slag roof, maple floors, steam heat, electric light, metal lath, marble work, rolled steel sash, kalamein doors, bond, ornamental iron work, shoring. Plans in progress.

Store and Show Room, Northwest Corner Fifty-fifth and Walnut streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Felt Brothers, Packard Building, Philadelphia. Brick, terra cotta, 1 story, 95x100 feet, slag roof. Plans in progress.

Young Women's Christian Association, Eighteenth and Arch streets, Philadelphia. Owners, Young Women's Christian Association, care of Mrs. L. H. Earle, Eighteenth and Arch streets, Philadelphia. Work contemplated.

Factory Building, Amber and Venango streets, Philadelphia. Architect, I. T. Catherine, Franklin Building, Philadelphia. Owners, Gill Glass Works, on premises. Brick, concrete, 2 stories, slag roof, concrete floors, electric light. Ready for bids in three weeks.

Y. M. C. A. Building, Greene street, Germantown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Young Men's Christian Association, W. L. Gruhler, chairman, 219 High street. Fireproof, 4 stories. Plans completed. Architects will be ready for bids in a few days.

Residences (26), Fifty-seventh and Elmwood avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. C. McHugh, care of Mrs. F. C. Dougherty, 5144 Walnut street, Philadelphia. Brick, mineral stucco, 2 stories, hot water heat, electric light, tile work, slag roof, hardwood and pine floors, cement work, basement garages, metal skylights. Owner ready for sub-bids.

Nurses' Home and Operating Building, Eighteenth and Fitzwater streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Children's Hospital, Benjamin Rush, on premises. Brick, steel, 3 stories. Engineers taking sub-bids.

Pavilion, Parkway Plaza, near City Hall, Philadelphia, \$75,000. Architect, Paul Cret, Otis Building, Philadelphia. Owners, Department of Public Property, Bureau of Public Works, City Hall. Limestone, concrete, 40x60 feet. Ready for bids in a week.

Residence, Mt. Pleasant road, West of Green, Chestnut Hill, Pa. Architect, A. T.

Smith, care of owner. Owner, Mrs. Albert W. Moore, 7100 McCallum street, Philadelphia. Stone, steel, 2½ stories and basement, 43x30 feet, slate roof, oak, pine and cement floors, plumbing, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work, wrought iron pipe, bluestone. Owner taking bids.

Building, Tenth and Spring Garden streets, Philadelphia. Architects, Rankin & Kellogg, 1805 Walnut street, Philadelphia. Owners, Philadelphia Wholesale Drug Co., 645 North Broad street, Philadelphia. Brick, reinforced concrete, 7 stories and basement, 180x113 feet, asbestos built-up or slag roof, cement, maple floors, metal lath, hollow tile, marble and terrazzo work, rolled steel sash, steel doors, bond, membrane waterproofing, dampproofing, cast-stone, ornamental iron work, iron stairs, steel partitions, linoleum floors (heating, ventilating, plumbing, electric work, elevators, conveyors, pneumatic tubes reserved). Architects taking bids due May 4th.

Sales and Service Building, 1515 North Broad street, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, R. H. & J. J. Greenburg, Morris Building, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 69x240 feet, slag roof, vacuum heat, electric light, metal lath, tile and marble work, hollow metal sash, galvanized iron skylights, fire doors, bond, floor hardener, ornamental iron work, iron pipe, area gratings, dumb waiters, plumbing,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

sprinkler system, wall finish, cast stone, architectural terra cotta, waterproofing, safety treads, elevators, hollow tile, cement floors. Architect taking bids due May 2nd, noon.

Sunday School Building and Garage, Tyson and Glenlock streets, Tacony. Architect, Samuel D. Milner, 4616 Frankford avenue, Philadelphia. Owners, Disston Memorial Presbyterian Church, on premises. Stone, cast stone, brick, 2 stories and basement, 118x50 feet, slate roof, cement and pine floors, plumbing, flagstone, wall finish, area gratings, ornamental iron work, steel casement windows, copper skylights, electric light, metal lath. Architect taking bids due May 3rd.

Residence, North Mt. Pleasant road, Chestnut Hill, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, W. Russell Rake, 140 West Durham street, Chestnut Hill, Pa. Architect taking new bids due April 29th.

Stores and Auto Service Building, Germantown and Bethlehem Pike, Chestnut Hill, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Felt Brothers, Packard Building, Philadelphia. Architects taking bids due May 3rd before 11 A. M.

David B. Birney School (alts. and add.), Lindley, Ninth and Hutchinson streets. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, reinforced concrete, steel, 3 stories and basement, 92x69 feet (plumbing, heating, electric separate), slag roof, maple and cement floors, hollow tile, safety treads, metal lath, marble work, hollow metal doors, bond, Parlock waterproofing, ornamental iron work, area gratings, steel partitions. Owners taking bids due May 3rd at noon.

Miscellaneous Work, Board of Education, Nineteenth above Chestnut, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due May 3rd. Painting inside and out, Master clock, equipment, various schools. Asbestos covering, electric and plumbing materials, etc., warehouse, tearing down dwelling houses, hardware, cold water painting, dry cells, wood working benches, white lead, sand, detergent lumber, etc.

Center Fire Alarm Sub-Station, Forty-third and Kingsessing avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, 213 City Hall, Philadelphia. Owners taking bids due May 5th at noon.

Contract No. 158, City Transit, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Furnish and install automatic block signaling and interlocking systems, Broad Street Subway. Certified check, 5 per cent. Deposit, \$50, refunded. Owners taking bids due May 6th, 11 A. M.

Improving City Avenue, Haverford to Arch streets, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Owners taking bids due May 10th, 11 A. M. Certified check, 5 per cent.

Contract No. 803, Belmont Filter Plant, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Low bidders: R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$99,129; Edward Fay &

Son, 2 South Mole street, Philadelphia, \$104,871.

Residences (26), Anchor street, West of Penn street, Philadelphia, \$105,000. Architect, private plans. Owner, William J. Collins, 5445 Berks street, Philadelphia. Brick, 2 stories, 15x25 feet, 12x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Bank, East side Milnor street, North of Knorr street, Philadelphia, \$15,000. Owners, Henry Disston & Sons, on premises. Permit issued.

Residence (alts. to Office), 616 North Fifth street, Philadelphia, \$3,000. Owners, Mervine Brothers, on premises. General alterations. Permit issued.

Apartment House, Southeast Corner Fortieth and Springfield avenue, Philadelphia, \$65,000. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Sol. Hopkins, 6201 Market street, Philadelphia. Brick, 4 stories, 43x65 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Apartment Houses (2), Northeast and Northwest Corners Twentieth and Middleton streets, \$30,000. Architect, private plans. Owner, Frank Peters, 1643 Chew street, Philadelphia. Brick, 3 stories, 27 feet 10 inches x 70 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, South side Hartel street, West of Verree road, Philadelphia, \$4,000. Architect, private plans. Owner, Edwin Davis, 7802 Verree road, Philadelphia. Frame, 2 stories, 26x36 feet, electric light, pine floors. Permit issued.

Residence, West side Seventy-first street, South of City avenue, Philadelphia, \$13,000. Architect, private plans. Owner, Timothy Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Stone and brick, 2 stories, 38x80 feet, hardwood and pine floors, tile work, hot water heat, electric light. Permit issued.

Residence, West side Wyoming avenue, North of Orthodox street, Philadelphia, \$9,000. Architect, private plans. Owner, William Henry Smedley, 4550 Adams avenue, Philadelphia. Brick, 1½ stories, 36x40 feet, 24x12 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, Northeast Corner Fourth street and Sixty-fifth avenue, Philadelphia, \$6,300. Architect, private plans. Owner, S. Walter Cook, 5718 North Fourth street, Philadelphia. Stone, frame, 2 stories, 27x30 feet, 12x7 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, North side Oriole avenue, West of Silverwood street, \$6,000. Architect, private plans. Owner, James S. Batty, 6239 Ridge avenue, Philadelphia. Frame, 28 feet 6 inches x 35 feet 6 inches, hardwood and pine floors, hot water heat, electric light. Permit issued.

Storage Shed, West side Sepviva street, South of Duncan street, Philadelphia, \$5,000. Architect, private plans. Owners, Edward J. Bailey & Son, 1123-25 Earl street, Philadelphia. Iron on iron, 50x119 feet. Permit issued.

Residence, North side Tyson street, West of Loretto street, Philadelphia, \$4,500. Architect, private plans. Owner, Vincent M. Reynolds, 2923 North Mutter street, Philadelphia. Frame, 1 story, 24x41 feet, hot water heat, electric light, hardwood and pine floors. Permit issued.



Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Residence, South side Griffith street, West of Horrocks street, Philadelphia, \$4,000. Architect, private plans. Owner, Harry A. Epp, 4503 Edgemont street, Philadelphia. Brick, 2 stories, 17x37 feet, hot water heat, electric light. Permit issued.

Residences (50), Charles Street, between Tyson and Princeton streets, Philadelphia, \$200,000. Architect, private plans. Owner, Albert S. Shatten, Land Title Building, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 29 feet 3 inches, 12 feet 6 inches x 7 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (56), West side Malta street, North of Van Kirk street, \$197,000. Architect, private plans. Owner, August Mignatti, 6526 North Forty-sixth street, Philadelphia. Brick, 2 stories, 15x34 feet, slag roof, pine floors, electric light. Permit issued.

Residences (2), West side Jackson street, North of Magee street, Philadelphia, \$7,600 total. Architect, private plans. Owner, Nick Pody, 5123 Worth street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (39), Smylie road, East of F street, Philadelphia, \$175,500. Architect, private plans. Owner, Dominick Iero, 5101 F

street, Philadelphia. Brick, 2 stories, 15x29 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Apartment House, 360 East Tulpehocken street, Philadelphia, \$125,000. Owner, Benjamin A. Kaplan, Real Estate Trust Building, Philadelphia. Brick, 3 stories, 59x172 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Permit issued.

Residence, West side Vaux street, South of Coulter street, Philadelphia, \$10,200. Architect, private plans. Owner, John H. McClatchey, Sixty-ninth and Chestnut streets, Philadelphia. Brick, 2 stories, 16 feet 10 inches x 25 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Store, Northeast Corner Second and Wyoming avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Edward Mallon, Sr., 836 East Ontario street, Philadelphia. Brick, 1 story, 18x30 feet, slag roof, pine floors, electric work. Permit issued.

Warehouse, 1021 Arrott street, Philadelphia, \$2,000. Architect, private plans. Owner, A. R. Preston, 1021 Arrott street, Philadelphia. Brick, 2 stories, 22 feet 3 inches x 30 feet. Permit issued.

inches x 20 feet, shingle roof, cement floors, electric light. Contract awarded John Schnabel, Inc., Abbott Building, Philadelphia.

Residence, Elbow Lane, Chestnut Hill, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Wilson B. Yeager, care of architect. Stone, 2½ stories and basement, 38x115 feet, slate roof, oak and pine floors, hot water heat, electric light, tile work, ornamental iron work. Contract awarded Charles Bowman, 8127 Germantown avenue, Philadelphia.

Alterations to Seventh Floor, Federal Reserve Bank, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, 925 Chestnut street, Philadelphia. Plaster block, marble, tile work, carpentry and mill work, plastering, painting, electric light, plumbing. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Store and Printing House, 716-18 South Nineteenth street, Philadelphia, \$100,000. Architect, Clyde S. Adams, 2038 Spruce street, Philadelphia. Owners, African Methodist

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Christian Association Building, Thirty-sixth and Locust streets, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Christian Association of University of Pennsylvania, B. West Frazier, chairman, Rev. Paul D. Eddy, on premises. Brick, cut stone, reinforced concrete, steel, 3 stories and basement, 120x80 feet, built-up roof, slate roof, cement and oak floors, hollow tile, roof ventilators, metal ceilings, architectural terra cotta, flagstone, cast stone, incinerators, rubber tile, slate work, rubberstone, metal toilet partitions, rubber tile, morene wall finish, plumbing, dumb waiters, area gratings, wrought iron pipe, ornamental iron work, floor hardener, bond, hollow metal doors, rolled steel skylights, hollow metal sash, tile, marble and terrazzo work, metal lath, electric light, steam heat. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Store (alts.), 1501 Walnut street, Philadelphia. Architect, H. G. Mitchell, 44 West

Eighteenth street, New York. Owners, United Cigar Store Co., 44 West Eighteenth street, New York. Plastering, plumbing, electric work, repairs to floor, metal ceiling, painting, glass, glazing, hardware. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Apartment Building, City Line and Oakland Terrace, Philadelphia. Architect, H. C. McMurtrie, 1012 Walnut street, Philadelphia. Owner, John R. K. Scott, Lincoln Building, Philadelphia. Brick, steel, cut stone, 3 stories and basement, 115x60 feet, slag roof, oak and pine floors, steam heat, electric light, tile work, iron work. Contract awarded A. L. Fretz, Heed Building, Philadelphia.

Garage, Twelfth and Sixty-sixth avenue, Oak Lane, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Russell M. Hanscom, 6604 North Eleventh street, Philadelphia. Stone, 1 story, 30 feet 10

Do you want to build a business for yourself? Something that will grow bigger in the years to come.

A N. Y. Corporation, having exclusive control of an exceptional product used in Industrial Buildings, Factories, Shops, Schools, Etc., desires to secure services of a high-class salesman to handle Eastern Penna.—Phila. included—Delaware, and Southern New Jersey, the richest manufacturing territory in America. The product is well introduced, being used in the U. S. Mint, the B. & O. Ry., and by other nationally known concerns. A rare opportunity is offered to a man of ability who is willing to work hard, with intelligence and unfaltering courage. No loafers wanted. Only an ambitious man who never knows when he is licked. Such a man can establish a life-time business and achieve independence in a few years. Have you got the "Never Say Die" qualities to tackle a job like this? If so, address, W. M. R., Room 811, Astor Trust Bldg., 501 5th Ave. N. Y. City.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

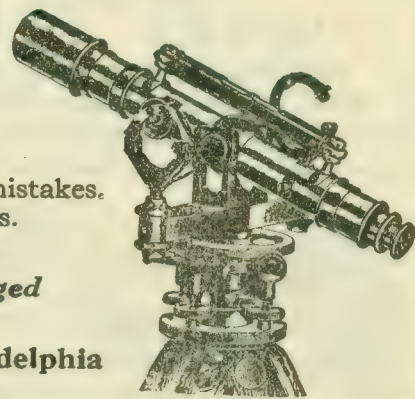
on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.
Examine our complete line of Rebuilt Transits and Levels.
Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years



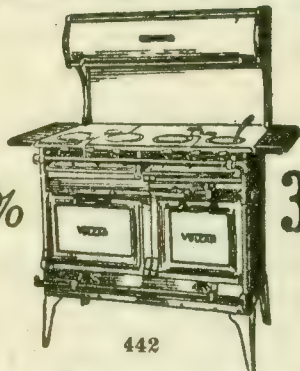
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



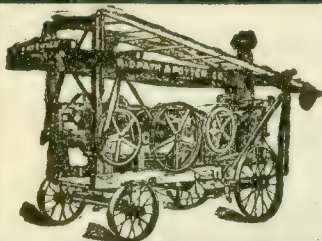
38%

38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.

22nd & Cambria Sts.
Phila. Pa.

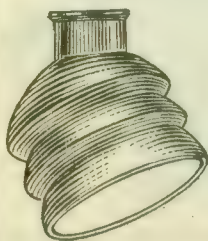


You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Episcopal Publishing Co., on premises. Concrete, steel, 5 stories, 34x71 feet, slag roof, maple floors, steam heat, electric light, metal lath, tile work, plumbing, waterproofing and dampproofing, elevators, fire and hollow metal doors, terra cotta. Contract awarded to Benjamin Const. Co., 4046 Walnut street, Philadelphia.

Residence, North side Levick street, West of Hasbrook street, Philadelphia, \$10,500. Architect, private plans. Owner, Floyd S. Lerch, 425 Gilhorn street, Philadelphia. Brick, frame, 2 stories, 33 feet 4 inches x 26 feet 4 inches, hardwood and pine floors, hot water heat, electric light. Contract awarded to Brinkworth & Stone, 2914 North Third street, Philadelphia.

Residence (add. and alts.), Northwest Corner Fifty-first and Malvern streets, Philadelphia, \$20,000. Owner, Philip Publicker, on premises. Stone, 2 stories add., 17x6 feet 9 inches, general alterations. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Garage, 485 Conarroe street, Philadelphia, \$5,000. Architect, private plans. Owner, George Cooper, 432 Gates street, Philadelphia. Brick, 1 story, 25x90 feet 6 inches, slag roof, cement floors. Contract awarded to E. R. Lakin, 4421 Dexter street, Philadelphia.

Garage, 5311 Woodbine avenue, Philadelphia, \$2,600. Architect, private plans. Owner, Clayton Hunsicker, 5311 Woodbine avenue, Philadelphia. Brick, 2 stories, 23x23 feet, slag roof, cement floors. Contract awarded to Floyd Faulkner, 2112 North Twenty-ninth street, Philadelphia.

Apartment Building, West side Fifty-eighth street, between Hoffman and Fernwood streets, Philadelphia, \$150,000. Architect, J. E. Fieldstein, Otis Building, Philadelphia. Owner, Max Lecomovitz, 1621 Nedro avenue, Philadelphia. Brick, 4 stories, 50x50 feet, slag roof, hardwood and pine floors, electric light, tile work. Contract awarded to Zarch & Fisher, Real Estate Trust Building, Philadelphia.

Residence, South side Hillard avenue, East of Germantown avenue, \$23,000. Architect, private plans. Owners, Moore & Goldsborough, Inc., Widener Building, Philadelphia. Stone, 3 stories, 49x20 feet, 14x19 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to John R. Erbe, 2551 North Sixth street, Philadelphia.

Residences (2), West side Newtown avenue, North of Passmore street, \$8,000. Architect, private plans. Owner, Edward Stewart, 933 Sartain street, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Ernest Henderson, Jr., 6420 Hasbrook avenue.

Service Station, Northwest Corner Sixteenth and Spring Garden streets, Philadelphia, \$6,000. Architect, private plans. Owner, George Sattler, on premises. Brick, 1 story, 49x24 feet, slag roof, cement floors, electric work. Contract awarded to H. M. Wilson Co., 1101 Peoples Trust Building, Philadelphia.

Garage and Store (add.), (rear) 1511-13-15 Spruce street, Philadelphia, \$60,000. Architect, private plans. Owner, H. C. Hollinger, Rittenhouse Plaza, Philadelphia. Brick, 4 stories add., 66x120 feet, slag roof, cement floors. Contract awarded to W. S. Gore, 1506 Latimer street, Philadelphia.

Elevator Shaft, 18 South Seventh street, Philadelphia, \$7,000. Architect, private plans. Owner, Irene Atwood, on premises. Brick, 8x11 feet. Contract awarded to Charles T. Clark, Germantown and Sedgley avenues, Philadelphia.

Residence, South side Rhawn street, West of Verree road, Philadelphia, \$5,000. Architect, private plans. Owner, William Marshall, 136 Elinor street, Philadelphia. Brick, stone, 2 stories, 33 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Van P. Wayland, 5244 Jackson street, Philadelphia.

Shop, 247 North Clarion street, Philadelphia, \$2,000. Owners, Quaker City Artificial Limb Co., 242 North Thirteenth street, Philadelphia. Brick, 1 story, 14 feet 6 inches x 46 feet. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Garage (alts.), 4316-18-20 North Broad street, Philadelphia, \$7,500. Architect, private plans. Owner, Fidel W. Kroessen, 4316 North Broad street, Philadelphia. General alterations. Contract awarded to J. Y. Loux, Inc., 1501 Hunting Park avenue, Philadelphia.

Residence and Store (add. and alts.), 612 South Fifty-second street, Philadelphia, \$7,400. Architect, private plans. Owner, Richard P. Powell, 262 South Fifty-second street, Philadelphia. Brick, 2 stories add., 16x12 feet, general alterations. Contract awarded to Albert N. Lowden, 734 South Fiftieth street, Philadelphia.

Apartment House (alts.), 1921 North Broad street, Philadelphia, \$3,000. Architect, private plans. Owner, F. W. Weber, on premises. General alterations. Contract awarded to A. B. Harding, 969 Drexel Building, Philadelphia.

Storage Building (repairs), 2707-13 Palethorpe street, Philadelphia, \$3,000. Architect, private plans. Owner, Thomas Tarkinton, Front and Lehigh avenue, Philadelphia. General fire repairs. Contract awarded to George F. Jadgman, 858 North Nineteenth street, Philadelphia.

Store and Residence (add. and alts.), 3228 Ludlow street, Philadelphia, \$5,000. Architect, private plans. Owner, J. Gurbus, 1519 Filbert

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

street, Philadelphia. Brick, 1 story add., 12x30 feet, general alterations. Contract awarded to J. Curtis, 501 Levick street, Philadelphia.

Miscellaneous Sewer Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Castor avenue, etc., A. Desandro & Son, 3906 North Fifth street, \$29,634. Anchor street, etc., J. J. McHugh, 1617 Race street, \$23,122.64. Fifty-second street, etc., J. J. McHugh, 1617 Race street, Philadelphia, \$23,420.64. Fraley street, etc., J. J. McHugh, 1617 Race street, \$45,618.51. Fifteenth street, etc., A. Henderson, Washington and Chew streets, \$5,940. Hobart and Wanamaker streets, J. J. McHugh, 1617 Race street, \$35,950.69. H street, etc., F. Buckius, Kensington and Deal street, \$17,908.50. Memphis, etc., Mundy Paving Co., 226 South Warnock street, \$6,194.80. Twentieth street, etc., E. F. Bennis, Washington and Chew streets, \$24,939. Shelmire street, etc., J. J. McHugh, 1617 Race street, \$68,034.29. Princitan street, etc., E. T. Buckius, Kensington and Deal street, \$7,911. Phil-Elena street, F. T. Buckius, Kensington and Deal street, \$7,902. Bleigh street, etc., F. T. Buckius, Kensington and Deal, \$55,696. Main sewers, Cranford, etc., Jaffola & Mark, Inc., Cranford and Oxford, \$205,188. Grading, pumps, Belmont Pumping Station, Acme Machine Co., 316 North Seventeenth street, \$60,600. Boiler baffles, Lardner Point Pumping Station, Edgemore Iron Co., Edgemore, Pa., \$16,390.

Sewage Disposal Project, Philadelphia. Owner, Department of Public Work, Bureau of Engineering, 216 City Hall. Contract awarded: Section 1, Mason Henger Co., 4975 Broadway, N. Y., \$972,380. Section 2, A. T. White, Newark, N. J., \$720,710. Section 4t, H. W. Horst, care of Benjamin Franklin Hotel, \$707,793. Section 5, H. W. Horst, care of Benjamin Franklin Hotel, \$1,613,942.

Residence and Store (add. and alts.), 929 South street, Philadelphia, \$7,000. Architect, private plans. Owner, S. M. Horowitz, on premises. Brick, 1 story addition, 14x15 feet, general alterations. Contract awarded to Sklar Const. Co., 628 Pine street, Philadelphia.

Residence and Store (alts.), 2005 South 7th street, Philadelphia, \$5,000. Architect, private plans. Owner, A. Westinsky, 2031 South 7th street, Philadelphia. General alterations. Contract awarded to M. Cherry 137 North 10th street, Philadelphia.

Residence, North side Maple Avenue, west of "H" street, Philadelphia, \$4,000. Architect, private plans. Owner, W. J. Smith, on premises. Brick, 2 stories, 20x38 feet, pine floors, hot water heat, electric light. Contract awarded to W. J. Smith, 112 Wentz St., Phila.

Pennsylvania Construction News

✓ **Theatre, Stores (11), Offices (20),** Parker avenue, Collingdale, Pa., \$1,000,000. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Green & Altman, Heyman Building, Philadelphia. Plans in progress.

Residence, Lafayette street. Kennett Square, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Joseph Phillips, care of architect. Stone, stucco,

frame, 2½ stories, 30x38 feet, asbestos shingle roof, hot water heat, hardwood floors, steel basement sash. Plans in progress. Ready for bids in two weeks.

Country Club, York, Pa. Architects, J. A. Dempwolf, Cassatt Building, Edward Leber, Hay Building, and R. A. Stair, Guardian Trust Building, York, Pa. Owners, York Country Club, C. E. Smith, president, care of Country Club, York, Pa. Stone, stucco, 2½, 1 and 2 stories, 144x84 feet, tile roof, maple floors, vapor heat, electric light, tile and marble, steel sash, ornamental iron. Architects ready for bids.

Septic Tank and Toilet Room, Dallastown, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, School Board of Dallastown, H. L. Perry, secretary, Dallastown, Pa. Fireproof, 2 stories, 26x24 feet, composition roof, composition floors, hollow tile, electric light, steel sash, metal stairs. Owners taking bids due May 2nd.

Auditorium, Tamaqua, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Church of Sts. Peter and Paul, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. 94 x 43 feet. Preliminary plans in progress.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Mrs. G. Pomeroy, care of architect. General alterations. Plans in progress.

Store, Reading, Pa. Architect, F. H. Muhlenberg, Ganster Building, Reading, Pa. Owners, Croll & Keck, 630 Penn street, Reading, Pa. Steel, fireproof, 4 stories and basement, 30x270 feet, 30x180 feet, cement floors, hollow tile, elevators, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, vault lights, fire doors, steel sash and skylights, tile and marble, metal lath, steam heat, electric work. Plans in progress.

Apartment House, Lansdowne, Pa. Architect, Alvin C. Bieber, 3044 Lehigh avenue, Philadelphia. Owner, name withheld. Brick, 3 stories, 122x20 feet, 2 wings, 42x90 feet, hardwood floors. Plans in progress.

School, Upland, Pa. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Board of Education, C. R. Buck, Upland, Pa. Brick, 2 stories. Plans in progress.

David Rittenhouse High School, Norristown, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Norristown Board of Education, Norristown, Pa. Architects selected. Work contemplated.

School (Consolidated Junior), Church road, Upper Merion, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, Up-

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE Co.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO
DAISY, TENN.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia

Main 3446

: Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

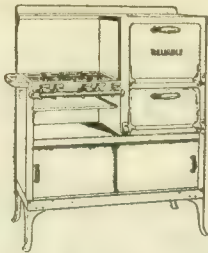
PHILADELPHIA GAS RANGE CO.

Come To Headquarters
for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19

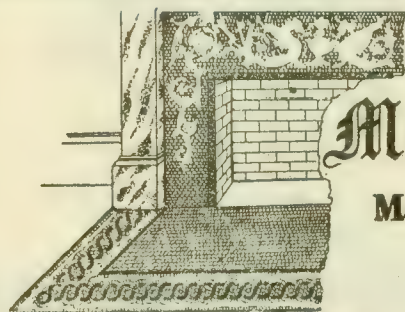
THERE IS ONLY ONE IN-A-
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

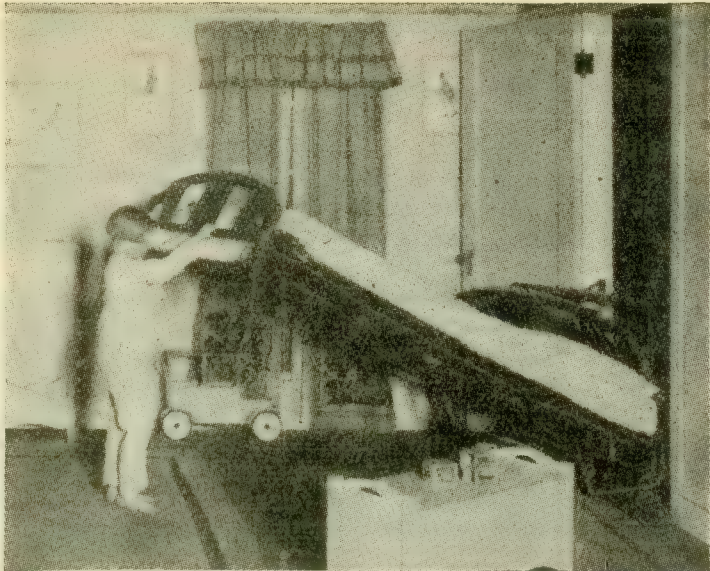
STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonete
produce the "shiny" appearance of paint. Stonetex loo

BEDS

omes
rings

call at our
ain kitchen
g boards as
Beds

D CO.
ey Building
44th Street
w York
2 BED



A child can operate the bed

omfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

rfaces

cks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
lso covers the surface
es flat. It does not
e masonry.



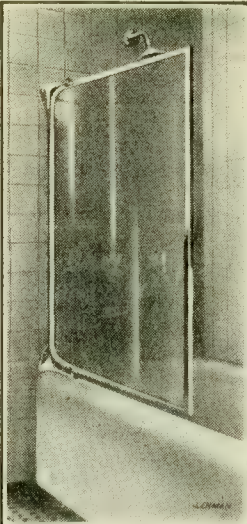
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

per Merion School Board, Upper Merion, Pa. Site selected. Work contemplated.

Garage (alts. and add.), 347 Aubrey road, Wynnewood, Pa. Architects, De Armond, Ashmeade & Bickley, 20 South Fifteenth street, Philadelphia. Owner, C. W. Lober, on premises. Frame, hollow tile, 10x22 feet, shingle roof, cement floors. Architects will build.

Junior High School, No. 1 (add.), Lancaster, Pa., **Junior High School, No. 2,** Lancaster, Pa., \$400,000. **Grade School,** Lancaster, Pa., \$75,000. **School (add.),** Lancaster, Pa., \$125,000. Architect, William Ittner, St. Louis, Mo. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster. Preliminary plans in progress.

School, Brownstown, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, West Earl Township School Board, care of architect. Brick, steel, 1 story and basement, 60x100 feet, composition roof, gum floors, hollow tile, safety treads, tile work, electric work, unit heating. Plans in progress.

Grade School, Catasauqua, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Catasauqua School Board, Miss Ida Brown, secretary, Catasauqua, Pa. Preliminary plans in progress.

Church, Seranton, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Zion Evangelical Church, Rev. R. H. Dick, Seranton, Pa. Brick. Plans in progress.

Sunday School (add.), York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Grace Evangelical Church, Rev. M. A. Kennelley, York, Pa. Brick, 1 story, basement and balcony, 54 x 67 feet,

composition roof, maple floors, electric light, skylights. Plans in progress.

Office Building, Morrisville, Pa. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Bucks County Contributionship, William Bishop, 63 West Trenton avenue, Morrisville, Pa. Stone, fireproof, 2 stories, 60x46 feet, hardwood floors, hollow tile, electric light, tile work, metal lath. Plans in progress.

Residence and Garage (twin), Operation, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, W. Percival Johnson, Baltimore and Windemere avenues, Lansdowne, Pa. Stone, brick, frame, 3 stories, 20 x 37½ feet, 10 x 20 feet, slate and slag roof, hardwood and cement floors, electric light, hot water heat, tile work. Owner taking sub-bids.

Gymnasium Building, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, School District, City of Reading, Oscar Heim, secretary, Administration Building, Reading, Pa. Steel, concrete, brick, 2 stories, 130x280 feet, composition roof, tile and composition floors, electric light, metal lath, iron stairs. Owners about ready for bids.

High School, Bloomfield, Pa. Architects, Hasness & Albright, Harrisburg, Pa. Owners, New Bloomfield School Board, Charles Darlington, secretary, New Bloomfield, Pa. Brick, 1 story, 40x100 feet, composition roof, hollow tile, steel sash (heating, plumbing and electric separate). All bids rejected. Will take revised bids.

School, Steelton, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, St. Mary's Roman Catholic Church, Steelton, Pa. Brick, steel, 2 stories, 56x104 feet, maple floors, safety treads, roof ventilators, steam heat, electric light. Architect ready for bids.

City Hotel, Gettysburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Dr. Keat, City Hotel, Gettysburg, Pa. General interior alterations, plumbing, partitions. Owner taking sub-bids.

Store and Apartment, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Nacey, 7254 Paschall avenue, Philadelphia. Brick, stucco, 3 stories, 20x60 feet, slag roof, hardwood floors, electric light, tile work, flush bulks, plate glass, iron work. Owner ready for sub-bids.

Public School, North Wales, Pa. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, North Wales School District, North Wales, Pa. Brick, reinforced concrete, steel, 1 story and basement, 248x78 feet, wing 65x60 feet (plumbing, heating, electric separate), composition roof, pine and cement floors, metal weather strip, dampproof-

ing, cast stone, cinder concrete block, ornamental iron work, iron stairs, wood casement windows, kalamein doors, metal lath, tile work, linoleum floors. Owners taking bids due May 3rd, 8 P. M.

Lodge Building, 306 High street, Pottstown, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Pottstown Aerie of Eagles, S. Epdegrove, 264 High street, Pottstown, Pa. Brick, stone, steel, 3 stories and basement, 51x150 feet, composition roof, hardwood and composition floors, freight elevators (heating reserved), electric light, metal lath, tile, marble, skylights, bond, iron stairs, ornamental iron. Architects taking bids due May 2nd.

School, Pottstown, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, Board of Education, F. C. E. Muhlhouse, secretary, Pottstown, Pa. Fireproof, 2 stories, 12 rooms, composition roof, concrete and composition floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing (heating, plumbing, electric separate), metal lath, tile, steel sash, bond, iron stairs, ornamental iron. Owners taking revised bids due April 28th.

Y. M. C. A. Building, Reading, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, reinforced concrete, steel, granite, 3 stories and basement, 95x171 feet, Barrett specification roof, cement and maple floors, hollow tile, plumbing, dampproofing, architectural terra cotta, area gratings, wrought iron pipe, brass pipe, ornamental iron work, asphalt mastic floors, linoleum floors, metal toilet partitions, steam heat, electric light, tile, marble and terrazzo work, rolled steel and hollow metal sash, rolled steel skylights, fire and kalamein doors, bond, iron stairs, ornamental iron work. Owners taking bids due May 4th.

School, Glenolden, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Education, Glenolden, Pa. Brick, 2 stories and basement. Owners taking bids due May 4th.

Residence and Garage, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, N. Paul Kenworthy, care of architect. Stone, 2½ stories and basement, 34x141 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, rolled steel sash, ornamental iron work. Architect taking bids due April 28th.

Dormitory, Huntingdon, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Juniata College, Huntingdon, Pa. Stone, brick, 3 stories and basement, 39x93 feet, 59x40 feet, slate roof, maple and pine and cement floors. Architect taking bids due April 29th.

Residence (alts. and add.), West Chester road and Chester Valley road, Paoli, Pa. Architect, J. Fletcher Street, 1120 Locust street,

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Philadelphia. Owner, Richard P. McNeely, Haverford, Pa. Architect taking bids due April 30th at noon.

Church, Tamaqua, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Zion Lutheran Church, care of Secretary of Building Committee, Tamaqua, Pa. Owners taking bids due May 6th, at 6 P. M.

Residence, Windber, Pa. Architect, H. L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, R. M. Mullen, Windber, Pa. Plans completed. Ready for bids.

Residences and Garages (76), Drexel Hill Gardens, Pa. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, name withheld. Brick, stone, stucco, concrete block, 2 stories, 16x40 feet, hardwood floors, cement work, garages, 10x15 feet, hot water heat, electric light, tile work. Mr. Bauml, 6816 Market street, Upper Darby, taking sub-bids between 10 A. M. and 1 P. M.

Residence and Garages (2), Torresdale, Pa., \$17,000 and \$20,000. Architect, Samuel D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Stone, 2½ stories, 27x42 feet, shingle and slate roof, hardwood floors, hot water heat, electric light, tile work. Sketches in progress.

Coal Trestle, Darby, Pa. Architect, private plans. Owners, Patterson Coal Co., 1102 West Susquehanna avenue, Philadelphia. All bids rejected.

Media Jail, Media, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Borough of Media, Media, Pa. Low bidder on plumbing alterations, B. L. Marker, Chester, Pa., \$9,335.

Gymnasium, Auditorium, Schools (2), Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, care of Bethlehem Steel Co., Steelton, Pa. Lowest bidders: Auditorium and gymnasium, R. S. Shoemaker, Harrisburg, Pa., \$183,000. High school, C. W. Strayer, Sixth and Division streets, Harrisburg, \$27,379. Felton building, J. C. Snyder, Selinsgrove, Pa., \$4,572. Combination bid, R. S. Shoemaker, Harrisburg, Pa., \$224,520. Electrical, Dauphin Electric Supply Co., Harrisburg, \$6,650. Plumbing, R. E. Wolfe, Harrisburg, Pa., \$9,380. Heating, J. H. Bowman, Harrisburg, Pa., \$55,000.

Paving (paving Powell road), Springfield, Pa. Architects, Damon & Foster, Upper Darby, Pa. Owners, Borough of Springfield, John Calder, Springfield, Pa. Owners taking bids due May 3rd, 8 P. M. Certified check, \$1,000.

Supplies, Harrisburg, Pa. Owner, Benson Taylor, Department of Property and Supplies, Harrisburg, Pa. Certified check and bond. Owner taking bids due May 10th at noon. Laboratory and engineering supplies, hardware supplies, lumber and general supplies, electric, plumbing, heating supplies.

Mechanical Equipment, Warminster School, Pa. Architects, Heacock and Hokanson, 1211 Chestnut Street, Philadelphia. Owner, Board of Education, A. C. Walton, Street Road and Mears Road, Ivyland, Pa. Secretary taking bids due at his office May 9th, 7 P. M. Plans will be ready for bidders after April 28th. Deposit \$10.00, refunded. Certified check or bid bond.

School, Northwest corner 12th and Spruce streets, Reading, Pa. Architect, F. V. Nickels,

15 South Twenty-first street, Philadelphia. Owner, Parish of St. Mary's, Rev. A. Malusecki, Reading, Pa. Brick, limestone, 2 stories and basement, 59x145 feet, provision for 3rd floor, maple floors, temporary slag roof, maple and mineral floors, lockers, showers, toilet partitions, iron stairs, metal lath, vapor heat, oil burner, tine work, Gymnasium, basketball court, library, bowling alley, pool room, 8 class rooms, music room, Doctor's office. Architect taking bids due at his office May 5th, 10.30 sharp.

Rectory (alts. and add.), 250 South 12th St., Reading, Pa. Architect, Frank V. Nickels, 15 South 21st Street, Philadelphia. Owner, Parish of St. Mary's, Rev. A. Malusecki, Reading, Pa. Brick, 3rd floor addition, 24x38 feet, slate roof, hardwood, electric light, hot water heat, new boiler, tile work, metal lath. Architect taking bids due at his office May 5th, 10.30 A. M. sharp.

Convent (alts. and add.), Lebanon, Pa. Architect, Geo. I. Lovatt, 223 South Sydenham street, Philadelphia. Owner, St. Mary's Convent, Lebanon, Pa. Brick, 3 stories, 40x60 feet, slate roof, maple floors, hot water heat, electric light. Architect taking bids due April 30th.

Club House, Media, Pa. Architect, Price and Walton, 119 South Fourth Street, Phila. Owner, Women's Club, Media, Pa. Cinder block, stucco, 2 stories and basement, 34x92 feet, shingle roof, oak and pine floors. Architect taking revised bids due as soon as possible.

Pennsylvania Contracts Awarded

Garage and Service Station, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Bldg., Reading, Pa. Owner, Yellow Cab Co., Mr. Haines, 312 Cherry street, Reading. Concrete block, steel, brick, 2 stories 40x200 feet, built-up roof, concrete floors, hollow tile, roof ventilators, water and dampproofing, iron stairs, floor hardener, fire doors, steel sash, hot water and steam heat, electric light. Contract awarded to Sharp Const. Co., 22 North 5th Street, Reading, Pa.

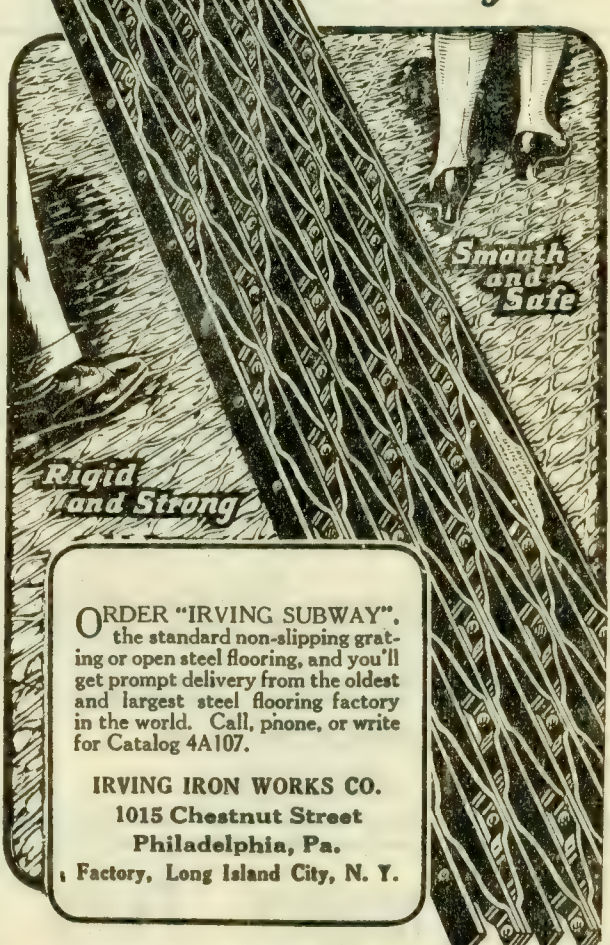
Residence and Garage, Wallingford, Pa. Architect, E. Kenny Crothers, Media, Pa. Owner, J. Watts Mercur, Wallingford, Pa. Stone, 2½ stories, 47x66 feet, shingle roof, hardwood and pine floors, hot water heat, electric light, tile work, cinder concrete block. Contract awarded W. Somers Ford, Media, Pa.

Sanatorium, River Crest, Mont Clair, Pa. Architect, Carl P. Berger, 1512 Walnut street,

Philadelphia. Owners, River Crest Preventorium, Mont Clair, Pa. Brick, steel, 3 stories and basement, tile, asbestos and shingle roof, rolled steel sash, cement floors, electric light, metal lath, terrazzo work, rolled steel sash, kalamein doors, ornamental iron work, composition floors, septic tanks, dumb waiter, refrigerator. Contract awarded Keenan Brothers, Phoenixville, Pa. Plumbing and heating, W. E. Sturgess & Son, Phoenixville, Pa.

Club House, Marple Hills, Pa. Architect, Stanford B. Lewis, 1713 Sansom street, Philadelphia. Owners, Paxton Hollow Golf Club, care of S. B. Lewis, 1713 Sansom street. Stone, steel sash, demolition, concrete and cement work, carpentry and mill work, tile, marble work, oak floors, shingle roof, iron and steel

Always-When You Need Gratings —

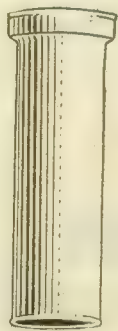


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

work, metal lath, plastering, composition floors, painting and glazing. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Theatre, Lewistown, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, National Theatre, Lewistown, Pa. Brick, cut stone, steel, 1 story, mezzanine and basement, 68x79 feet, slag roof, cement floors, metal lath, tile work, bond, ornamental iron work. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 3827 W

Residence and Garage, Bryn Mawr, Pa. Architect, R. L. Colton, 1520 Locust street, Philadelphia. Owner, F. Bohlen, Jr., Haverford, Pa. Stone, 2½ stories, 25x60 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Unkerfer Brothers, Pittsburgh, Pa., and 2315 Walnut street, Philadelphia.

Bank Building (alts. and add.), Bristol, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Farmers' National Bank of Bucks County, Bristol, Pa. Brick, cut stone, concrete, steel (heating, lighting reserved), metal lath, tile, marble and terrazzo work, slag and Barrett specification roof, oak and cement floors, painting, glazing, rolled steel skylights, bond, iron stairs, ornamental iron work, bronze work, cinder block, metal partitions, Parlock waterproofing. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Apartment House (add.), Lansdale, Pa. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owners, Edward F. Burrow and F. J. Murphy, care of architect. Brick, 3 stories and basement, slag roof, oak, pine floors, hot water heat, electric light, metal lath, ornamental iron work. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

Residence (alts.), Narberth avenue, Narberth, Pa., \$15,000. Architect, J. L. Patterson, 2345 Chestnut street, Philadelphia. Owner, W. W. Conover, Narberth, Pa. Excavation, cement work, brick work, plastering, carpentry and mill work, tile work, painting, electric work. Contract awarded Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Residence, Wynnewood, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Walker E. Linville, Land Title Building, Philadelphia. Stone, cut stone, 2½ stories and basement, 80x42 feet, slate roof, oak, pine floors, plumbing, ornamental iron work, bond, concrete block, area grills, wrought iron pipe, steam heat, electric light, metal lath. Contract awarded J. S. Creamer, 98 East Lansdowne avenue, Lansdowne, Pa.

Factory, Lemoyne, Pa. Architects, Witman

& Royer, 47 East Market street, York, Pa. Owner, L. B. Smith, Rossville, Pa. Brick, cinder block, 1 story, 163x82 feet, composition roof, concrete floors, electric light, steel sash. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Residence, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Mrs. John M. Frame, 301 Windsor street, Reading, Pa. Brick, stone, stucco, 2½ stories, 35x65 feet, slate roof, hardwood floors, hot water heat, electric light (heating, plumbing and electric reserved), tile work, flagstone. Contract awarded to H. J. Raudenbush, 1324 Perkiomen avenue, Reading, Pa.

Apartment House, Highland avenue, Merion, Pa. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, cast stone, 2 stories and basement, 190x180 feet, slag and slate roof, hardwood floors, cement work, basement garages, vapor heat, electric light, metal lath, tile work. Contract awarded W. D. & H. T. Smedley, Narberth, Pa. Architect and contractor taking sub-bids due as soon as possible.

Filtration Plant and Appurtenant Work, Allentown, Pa. Engineer, Morris Knowles, Inc., 507 Westinghouse Building, Pittsburgh, Pa. Owners, City of Allentown, Malcolm Gross, Mayor; Department of Parks and Public Property, Thomas J. Roth, superintendent; Bureau of Water, W. R. Schnabel, engineer, Allentown, Pa. Reinforced concrete, steel, brick, cut stone, 1 story, tile and slag roof, cement floors, ornamental iron, floor hardener, bond, hollow metal doors, steel sash, tile work, metal lath, steam heat, electric light, wood piles, steel set, piling, filter equipment, iron gratings, metal partitions, marbleoid floors, plumbing, wrought iron pipe. Contract awarded to Hoch Contracting Co., 329 North Thirteenth street, Allentown, Pa., \$360,564.50.

Hotel ("Sky Top Lodges"), Canadensis, Pa. Architects, Rossiter & Muller and Mortimer Foster, 15 West Thirty-eighth street, New York. Owners, Pocono Hotel Corporation, Mt. Pocono, Pa. Brick, reinforced concrete, steel, 4 stories and basement, 189x54 feet, wings (2) 105x46 feet, wing 58x71 feet, slag blue gray slate roof, cement and birch floors, painting, glazing, waterproofing and dampproofing, metal lath, tile and marble work, rolled steel sash, fire and hollow metal doors, bond, iron stairs, ornamental iron work, electric gratings, kitchen equipment, refrigerating equipment, electric work, heating, plumbing, ventilating, elevators reserved. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Junior High School (add.), Market street, Marcus Hook, Pa. Architects, The Ballinger Co., Twelfth and Chestnut street, Philadelphia. Owners, School Board of Marcus Hook, Pa. Contract awarded J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia, \$40,300. Electric, Electric Const. Co., Wilmington, Del., \$3,998. Plumbing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$1,595. Heating not awarded.

Jail, Media, Pa., \$9,335. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Borough of Media, Media, Pa. Contract awarded on plumbing to B. L. Marker, Chester, Pa.

State Highway Work, Pennsylvania. Washington County, R-115, Sec. 4, A-4272. One course reinforced concrete. Contract

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof

Call Lansdowne 2467 W

WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

awarded to Hardy & Rankin Co., Canonsburg, Pa., \$91,621.55.

Greene County, R-112, S-4, A-4238, Carmichaels Borough, Cumberland Township. One course reinforced concrete. Contract awarded to E. E. Morris, Waynesburg, Pa., \$49,388.70.

State Highway Work. Pennsylvania.

Somerset Co., R-50, A-4049, Milford, Middle Creek and Upper Turkeyfoot Townships. One course reinforced concrete, grading and drainage. \$161,089.24. Contract awarded to James & Nicholson Co., Inc., Johnstown, Pa.

Northampton Co., A-4490, Lehigh Township. One course reinforced concrete. \$194,040.01. Contract awarded to Juniata Co., Empire Bldg., Philadelphia.

New Jersey Construction News

School, West Harmony street, Pennsgrove, N. J., \$48,000. Owners, Board of Education, Pennsgrove, N. J. Site purchased. Project approved.

Town Hall, Main street, Williamstown, N. J. Owners, Monroe Township Committee, Williamstown, N. J. Stuccoing building, new windows, columns, etc. Owners will take bids in about two weeks.

Home, Millville, N. J. Architect, C. C. Cassell, Millville, N. J. Owners, Millville Aerie, F. O. O. Eagles, William Parr, chairman, Millville, N. J. Brick, white brick front, east stone trim, 3 stories, 31x99 feet, will contain auditorium, lodge rooms, steam heat, electric light, oak and pine floors, rolling partitions, iron work. Plans in progress. Ready for bids in two weeks.

Club House, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, I. B. P. O. E. of W., care of architect. Brick, stone, 3 stories and basement, 80x60 feet, slag roof, hardwood floors, electric light, tile and marble. Architect ready for bids.

Hospital Service Building, Bellevue avenue, Trenton, N. J. Architects, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owners, Mercer Hospital, W. Schulte, Prospect and Bellevue avenue, Trenton, N. J. Brick, 2 stories, 58x74 feet. Architects will be ready for bids in ten days.

Residence (alts.) and Garage, West Eighth and Overbrook avenues, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Bldg., Trenton, N. J. Owner, Thomas Thropp, 541 East State street, Trenton, N. J. Brick, 1 story, 4-car garage, slate roof, oak and concrete floors, hot water heat, electric light, tile work, general alterations. Architects ready for bids.

Moose Home and Auditorium, Lambertville, N. J. Architects, W. W. Slack & Son, Trenton Trust Bldg., Trenton, N. J. Owners, Loyal Order of Moose, care of architects. Brick, terra cotta, 2 stories and basement, 60x90 feet, slag roof, electric light, tile work. Architects taking bids due May 2nd.

Residence (alts. and add.), Marlton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Byron T. Roberts, Moorestown, N. J. Stone, 2½ stories, 26x38 feet, hot water heat, electric light, slate roof, hardwood floors, plumbing. Owner will build.

Residence, 109 Fifth street, Camden, N. J. Architect, Arnold H. Moses, Camden, N. J. Owner, Dr. John S. Owens, Camden, N. J. Brick, frame, cut stone, steel, 2 stories and basement, 80x20 feet, tin and slag roof, pine and cement floors, plumbing, electric light, metal lath, tile and marble work, bond, steel casements, ornamental iron work, wrought

iron pipe, cinder concrete block. Architect taking bids due April 29th at noon.

Residences (2), 2856-58 Congress Road, Camden, N. J., \$3,500 each. Owners, Fairview Home Building Co., 2760 Congress road, Camden, N. J. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Sewer System and Disposal Plant, Delanco, N. J., \$160,000. Owners, Township of Delanco, New Jersey. Work contemplated.

School, Rio Grande, N. J. Architect, LeRoy K. Boyer, Wildwood, N. J. Owners, Board of Education, Middletown Township, Cape May County, N. J. Owners taking bids due May 3rd.

Residences (26), 2880-2930 Congress road, Camden, N. J., \$144,000. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owners, Inter-Boro Corporation, 710 Wilson Building, Camden, N. J. Brick, 2 stories, 15x45 feet 8 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), 3633-35 Highland avenue, Camden, N. J., \$9,000. Architect, private plans. Owner, Paul J. Everly, 253 South Twenty-seventh street, Camden, N. J. Brick, 2 stories, 16 feet 4 inches x 40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garages (10), Garages (6) (add.), 781-85 Division street, Camden, N. J., \$3,000. Architect, private plans. Owner, Lewis R. Voegtlin, 791 Line street, Camden, N. J. Block, 1 story, 10x17 feet, 1 story add., 31x34 feet, slag roof, cement floors. Permit issued.

New Jersey Contracts Awarded

Parkside School Annex, Camden, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Meyer Wessel, Camden, N. J. Brick, steel, stone, 3 stories and basement, 75x37 feet (plumbing, heating, electric separate), built-up Barrett roof, maple and cement floors, hollow tile, safety treads, metal lath, terrazzo work, bond, iron stairs, iron work, cinder concrete block, wall finish, dampproofing, metal toilet partitions. Contract awarded Richard R. Gove Co., 1712 Ludlow street, Philadelphia, \$35,713. Heating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$6,994. Plumbing, C. H. Leupold, Camden, N. J., \$2,424. Electric, Fred Peterson, Camden, N. J., \$752.

Sanitary Sewer, Haddon Heights, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Borough of Haddon Heights, F. DyBree, Haddon Heights, N. J. Approximate quantities, 4 flush tanks, 12 manholes, 2 converted flush tanks, 77 8-inch x 5-inch T. C. Y., 380 lineal feet T. C. house connections. Contract awarded Fernow Const. Co., Bulletin Building, Philadelphia, \$5,971.35. 4,363 lineal feet 8-inch T. C. sewer, 2,871 lineal feet C. I. force line, 4,156 cubic yards excess excavation, 82,667.7 square yard 7-inch reinforced concrete pavements, curbs and gutters. Contract awarded Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$244,845.29.

Fountain (alts.), Johnson Park, Camden, N. J. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owner, Johnson Park, Camden, N. J. Miscellaneous work. Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Building (add.), 502-04-06 Liberty street, Camden, N. J., \$12,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Emzey Manufacturing Co., on premises. Brick, 2 stories add., 37x70 feet, slag roof, steam

heat, electric work. Contract awarded to Louis Bragin, 2012 South Fifth street, Philadelphia.

Warehouse, Northwest Corner Sixth and Mechanic streets, Camden, N. J., \$10,000. Architect, Howard E. Hall, 218 Weikel avenue, Merchantville, N. J. Owner, David Levin, care of architect. Brick, 1 story, 50x97 feet, slag roof. Contract awarded to M. W. Cooper-son Co., 550 Federal street, Camden, N. J.

Building (add.), Buren avenue, between Twenty-eighth and Twenty-ninth streets, Camden, N. J., \$6,000. Architect, Clarence MacNeeley, 864 Maple avenue, Collingswood, N. J. Owner, John E. Lingo & Son, Twenty-eighth and Buren avenue, Camden, N. J. Brick, 1 story add., 45x100 feet, slag roof. Contract awarded to A. J. Klemowicz, 2720 Harrison avenue, Camden, N. J.

Building (add.), Thorn street, near Copewood, Camden, N. J., \$3,300. Architect, Ernest L. Ergood, Collingswood, N. J. Owners, Radio Condenser Co., Thorn and Copewood streets, Camden, N. J. Brick, 1 story add., 20x54 feet, slag roof. Contract awarded to Carl L. Furner, Oaklyn, N. J.

Miscellaneous Construction News

Residence, on the Lake, Buffalo, N. Y. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, F. W. Sage, 14 Sherwood street, Buffalo, N. Y. Stone, 2½ stories, 38x56 feet, asbestos shingle roof, hardwood floors, vapor heat, electric light, tile work. Plans about completed. Owner will take bids in about one week.

Church, Norwalk, Conn. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, St. Paul's Protestant Episcopal Church, Rev. L. B. Howell, Norwalk, Conn. Stone, steel, 1 story, 66x100 feet, slate roof, Republic slag roof, hollow tile, cut stone, tile work, metal lath, hot water heat, electric light. Architects taking bids due May 5th.

Armory, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, State Armory Commission, W. E. M. Hoopes, secretary, DuPont Building, Wilmington, Del. Steel frame, 1 story, 180x150 feet, brick, stone, electric light. Owners will be ready for bids in about ten days.

Residence, Delaware avenue and Bayard Boulevard, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner, Mrs. J. G. Spackman, care of architect. Brick, steel, 2½ stories, 29x42 feet, 15x15 feet, tile roof, hardwood and tile floors, electric light, tile work, bond, ornamental iron, cut stone. Architect taking bids due April 29th.

Office Building and Shop, Wilmington, Del. Architect, E. William Martin, 3054 DuPont Building, Wilmington, Del. Owners, William M. Francis Co., DuPont Building, Wilmington, Del. Brick, steel, 1 story, 75x110 feet, composition roof, hollow tile, electric work, metal lath, steel sash. Owners will build.

Art Museum, Baltimore, Md. Architect, John R. Pope and Howard Sill, 542 Fifth Avenue, New York. Owner, City of Baltimore, Mr. F. A. Dolfeld, City Hall, Baltimore. Brick, steel, reinforced concrete, granite, limestone, one story and basement, 190x49 feet, built up and shingle tile roof, cement floors, hollow tile, elevators, membrane waterproofing, dampproofing, bronze work, area gratings, ornamental iron work, iron stairs, bond, hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, cast stone, limestone imitation stone. Owner taking bids due May 4th. Certified check \$43,000.

Miscellaneous Contracts Awarded

Heating in Residence, Westover Hills, Wilmington, Del. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Jasper Crane, care of architect. Contract awarded Gawthrop Bro., Wilmington, Del.

Residence (add. and alts.), Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, Dr. C. M. Hanby, 623 Delaware avenue, Wilmington, Del. Brick, 1 story, slate roof, pine floors, tile work, iron work, alterations. Contract awarded to H. S. Lynch & Co., 715 Tatnall street, Wilmington, Del.

Apartment House, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owner, Christopher L. Ward, Delaware Trust Building, Wilmington, Del. Brick, stucco, 3 stories, 60x70 feet, tile roof, hardwood floors, steam heat, electric light, tile work. Contract awarded to Fred Krapf, 421 Orange street, Wilmington, Del.

Garages (24), Orange street, Wilmington, Del., \$6,960. Architect, private plans. Owner, Floyd Berl, care of builders. Brick, 1 story, 9 feet 8 inches x 20 feet, slag roof, concrete floors. Contract awarded to Reed Brothers, 702 Orange street, Wilmington, Del.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soil with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Many a man would do a better job if he didn't know about putty.—Ex.

PROGRESS OF BUILDING INDUSTRY DEMANDS ELIMINATION OF WASTE

An Address by CHARLES F. ABBOTT, *Executive Director, American Institute of Steel Construction, Inc., 225 Madison Ave., New York City*

The United States is prosperous today, but it is prosperous despite an appalling burden of economic waste which only a young and vigorous nation could carry without staggering beneath the load. Even this country cannot, without grave danger to the well-being of the nation and its people, permit the existence of such a drag upon progress for an indefinite period.

Industrial wastes alone are causing an annual loss of \$30,000,000,000 in raw

material and man power. Of the \$60,000,000,000 earned each year by the 44,000,000 persons gainfully employed within our borders, \$10,000,000,000 is wasted. One billion of this goes into the pockets of the promoters of get-rich-quick schemes which enrich only their unscrupulous organizers.

The construction industry, and its allied trades and professions, must plead guilty to being responsible for, or tacitly abetting, the squandering of a considerable proportion of our resources. Between three and four per cent. of building costs represents largely unnecessary estimating expense. In other words, between \$180,000,000 and \$240,000,000 is expended every year by contractors and sub-contractors in bidding and estimating before construction is begun.

The varying restrictions contained in many municipal building codes make it impossible to use materials to the best advantage, and result in unnecessarily high costs which must ultimately be borne by the public. Obsolescence, construction delays, the ill-advised selection of materials—all these are a drain on the prosperity of our people and a check upon the development of the building industry.

The American Institute of Steel Construction was organized in 1921, by the structural steel fabricators of the United States and Canada, to dam this drain and remove this check. One of the primary objects of its organization was the elimination of waste in all that concerns the use of structural steel. In preparing the program of activities, the Directors of the Institute followed the suggestion of Herbert Hoover, Secretary of Commerce, to whom belongs the credit for the initiation of a wide-spread move towards the abolition of waste in industry.

The following is a summary of the fundamental policies of the Institute—

TO FURTHER better methods and the elimination of waste by standardization and simplification through the medium of a constructive co-operative program to the end—

THAT greater efficiency may be applied to production and selling, and that the mills, architects, engineers, contractors, the public, and members of the structural steel industry, may derive equal benefits;

THAT the adoption of the Institute's Standard Specification, prepared to promote standard uniform practice, may give to the public the economies that would follow, thereby contributing a material reduction in building costs;

THAT both buyer and seller may profit through a Code of Standard Practice, and recognition of established ideals and better ethics as applied to all trade relations;

THAT new uses and broader markets may be developed by the promotion of instructive, educational campaigns, and by the distribution of helpful information;

THAT assistance may be extended to students in the technical schools in order that their knowledge of structural steel may be advanced and the public profit through the stimulation of greater interest on the part of those who are to enter the architectural and engineering professions;

THAT each individual engaged in the fabrication of structural steel may receive the benefits from organized effort after the interest of the public has been served, thereby assuring the future security and prosperity of the industry.

With an original membership of fifty fabricating plants, the Institute now represents 218 plants engaged in the fabrication and erection of structural steel in the United States and Canada. This membership produces over ninety-nine per cent. of the total output of structural steel in the two countries, excluding the production of the plants controlled by the rolling mills. The industry transacts a business of approximately \$300,000,000 a year.

The activities of the Institute are financed by an assessment paid by each member upon the basis of his tonnage output, and by contributions received from the Bethlehem Steel Company, the Jones & Laughlin Steel Corporation, the Inland Steel Company and the Scullin Steel Company.

The United States Steel Corporation and its many subsidiaries, including the American Bridge Company, are co-operating with the Institute in the furtherance of its educational work. As yet, however, no financial assistance has been extended.

In a recent address delivered by Mr. O. H. Cheney, Vice-President, American Exchange-Irving Trust Company, before the Boston Chamber of Commerce, the following statement was made—

"The United States Steel Corporation, the greatest corporation in the country, and the one most affected by concrete competition, owns the Universal Portland Cement Company which contributes, I understand, a considerable part of the Portland Cement Association's fund. So the Steel Corporation with the right hand is selling steel to the structural steel fabricators and with the left hand is helping to take away their business."

If this statement is correct it seems reasonable to believe that the Steel Corporation will soon see the wisdom of doing as much for steel as it is now doing to aid its chief competitors.

The overwhelming majority of architects, engineers, and contractors throughout the country have shown themselves to be in hearty accord with the Institute's aims, and the methods which have been chosen to achieve them. Such an accord is natural. The Institute's activities assure their prosperity to almost as great an extent as they promote the interests of the producing mill and the fabricating plant.

Prosperous conditions for all elements of the construction industry depend upon building activity. This, in turn, depends upon reasonable costs and the application of all approved aids to good construction. There has been talk of a saturation point in building, but that point will never be reached if we take advantage of all possible economies, and if our builders continue to erect better structures each year.

To realize our great possibilities, however, the principle of co-operation must be recognized and applied by all. Co-operation between engineer, contractor, architect, the fabricator of structural steel, and the rolling mill, must supplant individual and selfish objectives. Statistics relative to the prosperity of innumerable industries show that their success is largely built upon co-operation to promote standardization and uniform practices in the utilization of the product.

It has been estimated that the automotive industry saved \$750,000,000 in one year through the adoption of dimension standards formulated by the Society of Automotive Engineers. In 1902 automobiles sold for an average of one dollar a pound. In 1926 the average sales price was twenty-nine cents a pound, yet the cars were vastly superior in quality and were equipped with many features never thought of twenty-four years ago. Standardization has proved to be the automobile manufacturer's key to prosperity.

The surest way to make certain that a like key will never be found for the industry upon which we are all dependent for a livelihood is to remain blind to the necessity of that co-operative activity which alone makes standardization effective. Whether it be the rolling mill, the fabricating plant, the designer, or the builder—all who fail to put a shoulder to the wheel are retarding the prosperity of their industry and of themselves as individuals or concerns.

The American Institute of Steel Construction is still young. Many of its activities have only just been undertaken. Others are only projected at the present time. Already, though, the Institute has succeeded in eliminating many wasteful methods, and in promoting better construction by standardization and the encouragement of the most effective use of steel.

It should be clearly understood that

from the beginning the Institute has been opposed to any policy that would transfer the functions of the architect or engineer to the fabricating plant. The fabricator is a manufacturer who turns the shapes produced by the rolling mills into structural material. He is not a designer, and should not be expected to function as such. The Institute has consistently held that the engineer or architect should furnish all designs and should be properly compensated for his labors.

Designs should be complete, with full information concerning plans, in order that the most accurate estimate of steel costs may be submitted and the ideas of the designer efficiently executed. Furnishing full information at the time when the contract is awarded will further speed erection and completion of the building.

Co-ordination of effort between architect, engineer, contractor and the fabricator of the steel, will replace guess-work with accuracy, avoid duplication of effort, controversies and unnecessary delays—all of which will tend towards the abolition of avoidable expense that otherwise would have to be included in the sales price.

As far as the architect and engineer are directly concerned, the Institute's aim has been two-fold. It has sought to apply an approved basis for design. It has sought to formulate a standard specification that would free competent men from the alternative of adopting irresponsible practices or seeing a contract go to a competitor who might adopt them, and thus be able to obtain a contract by quoting a lower cost.

At the time of the Institute's organization there was no generally accepted standard governing the fabrication, the design, or the erection of structural steel. Individual architects and engineers had their own standards, scarcely any two of which were alike. Varying trade customs were the cause of continuous misunderstandings between buyer and seller. Municipal building codes differed greatly throughout the country.

It was felt that the immediate necessity was for the formulation of standard practices to take the place of the diverse and largely rule-of-thumb methods prevalent at the time. As the first step in this direction, a committee selected from the leaders in the engineering, architectural and academic professions, was called upon to prepare a standard specification covering the manufacture and use of structural steel. Safety combined with economy was the goal in view.

Although completed but three years ago, more than 100 large cities in the United States and Canada have either adopted, or are permitting the use of, our Standard Specification. A report of a joint committee representing the Amer-

ican Society of Civil Engineers and the American Institute of Steel Construction has unanimously recommended the endorsement of an 18,000 pound unit stress as embodied within the Institute's Specification.

Activities initiated by the Institute have done much to eradicate the once numerous sources of misunderstanding between buyer and seller of structural steel. Information concerning the difficulties that had developed in the past was solicited from architects, engineers, contractors and other interests. Every effort was made to bring to light all the vague and inconsistent trade practices that had too frequently resulted in recourse to the courts.

The Institute's Code of Standard Practice has been described as the most accurate and comprehensive code ever devised for any industry. Fair to both buyer and seller, its use is doing away with causes of dispute which might otherwise have led to costly litigation, and is paving the way to an amicable adjustment of such unavoidable misunderstandings as may occur from time to time.

Economies made possible by the Institute's program are of direct benefit to the public as well as to the construction industry. Lower costs for the fabrication of steel, or for erection, are reflected in lower rents. In the case of structures erected by the municipal, state, or federal government, lower costs are reflected by lower taxes. The saving made possible by the Institute's Standard Specification alone, when generally adopted, will result in a tangible economy of approximately \$50,000,000 a year.

In addition there will be many intangible savings, the extent of which it is difficult to estimate with any degree of accuracy. It is impossible to say how much will be saved as all fabricating plants proceed in a uniform manner, without the necessity of juggling their practices to meet the innumerable variations required in the past. It is difficult to put a monetary value on the time wasted by engineers and architects in adapting their plans to widely varying building codes.

The concern that fabricated and erected the steel for the Medical Arts Building in Denver last year estimated that the steel for this structure cost fifteen per cent. less than it would have under the old conditions. One of the bidders on the Hall of Justice of Los Angeles offered a reduction of fifteen per cent. in his bid if the Institute's Standard Specification was used.

William Gompert, the architect of the Board of Education of the City of New York, has stated that a saving of \$540,000 would have been affected had the Institute's Specification been applied to the school buildings contracted for in 1924. Figured at six per cent., there is an un-

necessary annual interest charge of \$32,400 that must be paid by the citizens of New York to all eternity. That is in addition to the initial waste of over half a million dollars.

Notable as have been the economies affected in the last few years there is no lack of opportunity for progress in the same direction.

There are still many cities in which varying or obsolete building codes hamper the effort to eliminate waste, and make impossible the most intelligent, effective and economical use of materials. At the present time Chicago specifies a live load of fifty pounds per square foot for all floors of office buildings, while Philadelphia has fixed the load for such floors at 100 pounds per square foot. There is no logical explanation for the divergence.

The lost time and effort expended by the architect, engineer, and contractor can be still further eliminated by placing at his disposal additional tools for efficient work. With a view to aiding the men occupied with questions of design, the Institute is about to publish the final edition of a Standard Handbook of Steel Construction that will facilitate the labor of the designer by applying the Standard Specification directly to the product of the fabricating plant.

The tabulated data will also include information regarding all structural beams, channels, and girders used in bending, and complete information regarding allowable loads on rolled and built-up column sections. In general, the Handbook will contain, in readily referable form, information which it has been necessary to search through many volumes to obtain, or which it has been impossible to obtain at all.

Methods of fire-proofing are subject to improvement and lower costs. Wind stresses should be given intensive study. The influence of corrosion calls for further investigation, although the Institute has already financed an extended survey of buildings and bridges, erected more than thirty years ago, in an effort to discover any possible damage to the steel due to corrosive action.

In structures properly protected and given proper maintenance no damage was found. Colonel John Reed Kilpatrick, Vice-President of the George A. Fuller Construction Company, has stated that in his opinion modern fire-proof steel and masonry buildings, intelligently planned, competently designed, and honestly built, will prove capable of serving our great-grandchildren a hundred years from now.

The Institute has recently supplemented its preliminary investigation of corrosion by appointing a committee of experts to study the problem in all its aspects. It has requested the American Society of

Civil Engineers to appoint a similar committee in order that a joint committee, representing all interests, may work together and report at frequent intervals on its findings. This action was prompted by the desire to assure the greatest safety in the use of steel.

Safety in construction involves human life as well as the economic factor. The lives of the people are at the mercy of those who design and erect our buildings and bridges. Somewhere, every once in a while, a structure goes down. Some one has made a mistake. A loss of the investment is the inevitable result. Too frequently, this loss is rightly overshadowed by a sacrifice of human life.

No man should play a part in constructing anything upon which depends the lives of men, women and children, unless he is absolutely competent and responsible. The elimination of parts, or the use of inferior materials to reduce costs, obtain competitive advantages, or increase the rate of income, is nothing short of a crime against humanity.

A bill to promote structural safety is now before the New York State Legislature. If it becomes a law it will work hand-in-hand with the Institute's Standard Specification towards assuring greater safety in construction, while removing the barrier to structural progress set up by debarring competent men from using materials to their full advantage because others are too careless or incompetent to do so.

The degree of safety made possible by construction properly designed and erected has been illustrated by the effect of hurricane and earthquake upon various types of structures. In the recent Florida hurricane no steel-frame building erected in accordance with proper standards suffered anything but minor damage. Jerry-built structures went down like grass before the mower.

Steel construction has greatly decreased the menace of the earthquake. Steel frame buildings came through the Japanese quake with flying colors. Professor Bailey Willis, of Leland Stanford University and President of the American Seismological Society, has made the statement that the safest place during an earthquake is in a well built, steel-frame, building.

Oscar G. Knecht, structural engineer and City Building Inspector of San Diego, California, in his official report on the Santa Barbara earthquake, states that there was no damage to steel-frame buildings in Santa Barbara, and that the San Francisco earthquake proved the safety of competently designed and erected steel-frame construction.

Obsolescence causes an annual waste that runs into the millions. Statistics compiled by the Institute show that the average period which an office building

in the business center of a large city brings in an adequate return on investment is only twenty-seven years. Then shifting centers of population, or structural improvements developed since the erection of the building in question, cause the more desirable tenants to look at it askance.

Such a situation presents a challenge to the entire building industry. The challenge must be met. No country, however wealthy, can afford, for an indefinite period, to write off as a total loss great numbers of buildings after a service of less than three decades. The fact that in the majority of cases the structures are still entirely serviceable emphasizes the economic waste which their demolition must entail.

Due consideration should be given to the problem of obsolescence at the time when a building is erected. The owner and investor should keep in mind that the initial cost is not the whole story. The possibility of alterations or additions that will postpone obsolescence should be given careful attention. It should be remembered that in the event of demolition, salvage value is an important factor.

Within the last few years we have been gradually finding an answer to the problem so far as steel-frame structures are concerned. It has been found possible to convert such buildings to entirely new uses without altering the basic design of the structure. Other steel-frame buildings have been added to without disturbing the tenants.

Nine stories were recently added to the five story Bryant Park Building in New York while the tenants remained in possession. The addition has restored the building to its position as a source of profit to its owners. Steel bridges have proved equally adaptable to additions that, by increasing their capacity, have put off the necessity of demolition. When it is finally necessary to raze a steel-frame structure it has a high degree of salvage value.

The steel can always be used over again. One of the bidders on repairs to the thirty-four buildings wrecked last summer by the terrific explosion at the Naval Ammunition Depot, Lake Denmark, New Jersey, figured on some fifty tons of new angles, bolts, rivets, etc., but counted on shipping to the site equipment to straighten out the columns, trusses, and rafters.

A contract has recently been awarded for the removal of a thirty-four year old steel highway bridge over the Allegheny River at Pittsburgh, and its erection at Coraopolis where it will be adequate to handle the traffic of the smaller city. The span will be floated down the river on barges and submerged when passing under other bridges.

(Continued next week.)

Reference Directory for Architects, Builders and Owners

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. and "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N.,Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N.,Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co., Westmont, N. J.

GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co., 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co., 1923 Market St., Phila.
Camden Tile Co.,Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.

Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph,South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.,Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.

Penn Steel Service Co.,Fuller Bldg., Phila.

H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp.20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.,Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.,Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.,Bethlehem, Pa.

ROOFING TILE

Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.,2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.,1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co., 1923 Market St., Phila.
Camden Tile Co.,Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.,1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.

Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co.,1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Audubon Wire Cloth Co.,Audubon, N. J.

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co.,Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co.,Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

Twenty-three Years Without a Change

This "ANTI-HYDRO" formula for permanently hardening, waterproofing and damp-proofing concrete, stucco and cement mortar has stood unchanged for 23 years. During all this time it has been successfully used on every type of concrete hardening, waterproofing, acid, alkali, and oil-resisting work and has never failed to produce extremely satisfactory results.



Formula for using
Anti-Hydro for hardening
and waterproofing concrete

Being a liquid integral compound, "ANTI-HYDRO" mixes readily with the gauging water without the aid of skilled labor. It is easy and economical to use. It so enriches the concrete that one troweling is usually sufficient for a perfect finish. It also strengthens the concrete and accelerates the hardening of cement, thus eliminating costly overtime work.

"ANTI-HYDRO" is the oldest compound of its kind in existence. Use it on your next job for real, lasting satisfaction.

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO

MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 18

May 4, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year

25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS

ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR

PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

DESIGNED

DETAILED

FABRICATED

ERECTED

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets

PHILADELPHIA

BELL—MICHIGAN 2300

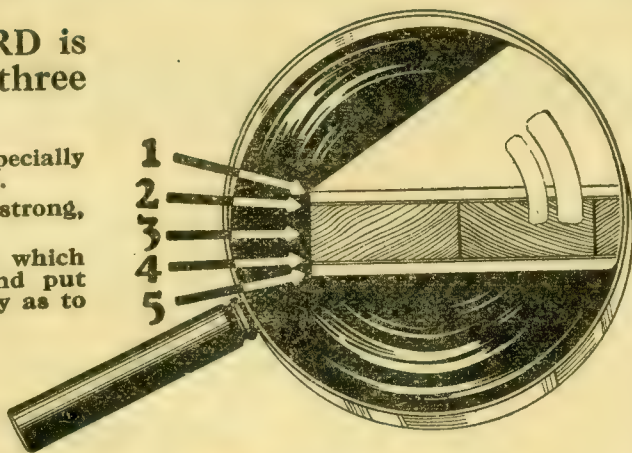
KEYSTONE—PARK 4831

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

When a Reliable Concern Say—

We are sorry we cannot meet *that*
price, they know it would be a loss,
or cut the quality of work they have
standardized on for years. It takes
moral courage to refuse business.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

4 POINTS of SUPPLY

INSURE.

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.
JOHN F. DAKIN
Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

**FABRICATED STEEL
IRON BARS**

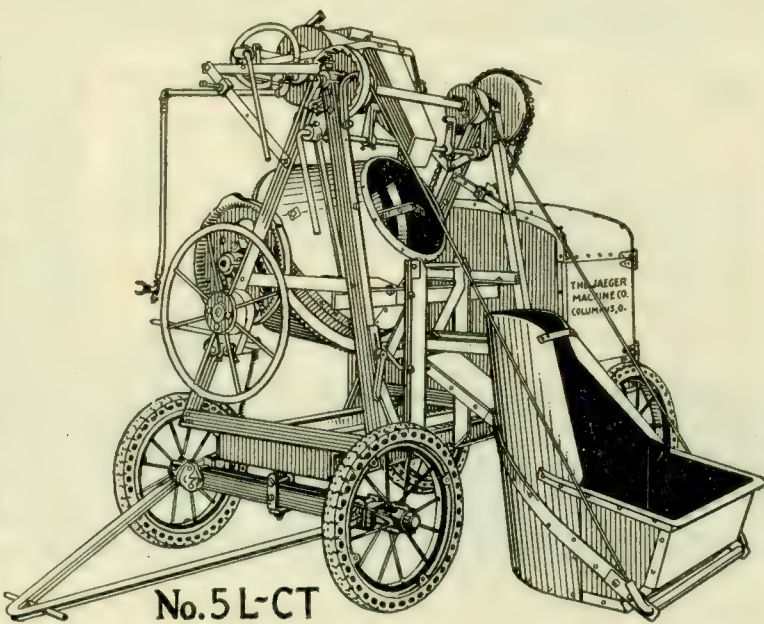
RICHARD DeCOU CO.
Steel Warehouse

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

RESULTS



SERVICE

JAEGER MIXERS

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BOTH PHONES:

BELL
Wood. 9640
9641
9642

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

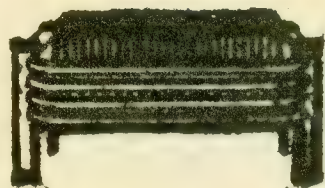
LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Go to **HENRY M. MILLER**

50 North 2nd Street



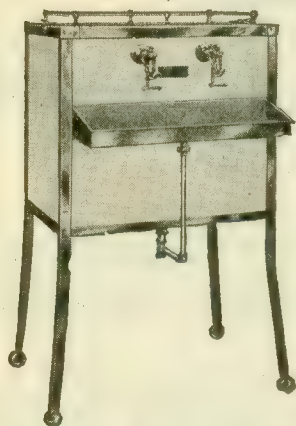
FOR

**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our showroom before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Coat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 18

PHILADELPHIA
May 4, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Consumption Home, Stenton and Evergreen avenues, Chestnut Hill. Architect, Bissell Sinkler, 1520 Locust street, Philadelphia. Owners, Philadelphia Protestant Episcopal City Mission, on premises. Brick, stone, steel. Plans in progress.

Factory, D and Erie avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Crescent Box Co., on premises. Brick, steel, 2 stories, 300x80 feet, slag roof, cement floors, steam heat, electric light. Plans in progress.

Bank Building, 1508 Walnut street, Philadelphia. Owners, Bioren & Co., 410 Chestnut street, Philadelphia. Stone, steel, brick, limestone. Plans in progress.

Hotel (alts.), Broad and Walnut streets, Philadelphia, \$1,000,000. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Bellevue-Stratford Hotel, on premises. General remodeling, including electric elevators, refrigerator, etc. Plans in progress.

Theatre, Southwest Corner Seventeenth and Market streets, Philadelphia. Architect, C. Howard Crane, 345 Madison avenue, New York City, and Detroit, Mich. Associate architects, Poggi & Winters, Equitable Building, Philadelphia. Owners, care of William Fox Corporation, 750 Tenth avenue, New York. Sketches in progress.

Theatre, Store and Apartment, Oxford Circle and Roosevelt Boulevard, Philadelphia.

Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihofer, Frankford Amusement Co., Twentieth and Indiana avenue, Philadelphia. Plans in progress.

Apartment House, Eighth, North of Sixty-sixth avenue, Philadelphia. Architect, Adin Benedict Lacey, 1012 Walnut street, Philadelphia. Owner, name withheld. Brick, steel, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work. Revised plans in progress.

Store Building, Southwest Corner Thirtieth and Chestnut streets, Philadelphia. Owners, Blum, Inc., M. Spector, Southwest Corner Juniper and Chestnut streets, Philadelphia. 10 stories, 55x104 feet. Work contemplated.

Apartment Building, South side Sansom street, West of Forty-fifth street, Philadelphia, \$250,000. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owner, Harry Bobbs, Forty-seventh and Larchwood streets, Philadelphia. Brick, 4 stories, 64 apartments, slag roof, hardwood floors, vapor heat, electric light, fire tower, elevators. Ready for sub-bids in two weeks.

Apartment House, Southeast Corner Twenty-third and Walnut streets, Philadelphia. Architect, Joseph Margolis, 1505 Race street, Philadelphia. Owner, J. Rabinowitz, 3655 Walnut street, Philadelphia. Limestone, art stone, granite, brick, fireproof partitions, tile and marble work, plastering, light iron, painting,

glazing, tile and slag roof, elevators, mill work, 10 stories, 61 feet 6 inches x 109 feet. Architect and owner taking sub-bids on above-mentioned items due at once.

School, Thompson and Montgomery avenue, Philadelphia. **School Building**, Byberry, sanitary improvements. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans completed. Owners will be ready for bids May 23rd. Bids due June 7th.

City Hall Annex, Juniper and Filbert streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Property, Bureau of Public Works, City Hall. Ready for bids in two weeks.

Filling Station, Stenton, Wyncote and Twenty-first streets, Philadelphia. Architect, private plans. Owners, Crew Levick Co., 210 North Broad street, Philadelphia. Brick, 1 story, tile roof, cement work, electric light. Owners will be ready for sub-bids in one month.

Store and Apartment, Southeast Corner Third and Gaskill streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, Mr. Shupak, on premises. Brick, 3 stories, 23x95 feet, slag roof, hardwood floors, hot water heat, electric light, tile work, metal ceilings, metal bulks. Owner taking bids.

Store Building (alts.), 1627 Chestnut street, Philadelphia. Architect, Philip S. Tyre, 114 South Fourteenth street, Philadelphia. Own-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3-119

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

WITH R. SPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS
Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**

**PATCHING, POINTING
AND WATERPROOFING**
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

**For Prices on
CAULKING**
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
381 South 43th Street, Philadelphia

ers, Gulf Oil Burning Co., care of architect.
General alterations. Architect subletting.

Freight House and Office, Olney, Philadelphia. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, steel, 1 story, 30x50 feet, office 30x14 feet, asbestos built-up roof, plumbing, cement and maple floors, hot air heat, electric light, metal lath, rolled steel sash, fire doors, bond, ornamental iron work, wrought iron pipe, metal lockers, steel shelving. Owners taking bids due May 9th.

Factory Building, Swanson and Ritner streets, Philadelphia. Engineer, A. B. Harding, Drexel Building, Philadelphia. Owners, American Container Co., Swanson and Shunk streets, Philadelphia. Brick, 1 story, 50x300 feet, slag roof, cement floors. Engineer taking bids due May 5th.

University Bridge, Thirtieth street, across Schuylkill River, Philadelphia. Owners, City of Philadelphia, Bureau of Engineering, 216 City Hall. Owners taking bids due May 25th, 216 City Hall. Certified check 5 per cent. Construction of foundations, piers, abutments for bridge, together with superstructure, 4-plate girder span and one double leaf bascule span. Inquire 416.

Residences (62), Magnolia street, South of Washington Lane, \$252,000. Architect, private plans. Owners, Madway & Madway, 4218 Lancaster avenue, Philadelphia. Brick, 2 stories, 16x30 feet, 13x13 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (32), North side Wyncote street, West of Twentieth street, \$140,000. Architect, private plans. Owner, Frank D. Williams, Sixty-sixth and Ogontz avenue, Philadelphia. Brick, 2 stories, 16x31 feet, 13x18 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (28), Ogontz avenue, South of Seventy-fourth street, Philadelphia, \$148,400. Architect, private plans. Owner, Samuel J. Kennedy, Kensington and Cumberland streets, Philadelphia. Brick, 2 stories, 16x30 feet, 12x9 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (5), North side Sanger street, East of Discher street, \$29,000. Architect, private plans. Owners, Smith, McGowan & Donnelly, 813 East Allegheny avenue, Philadelphia. Brick, 2 stories, 16 feet 8 inches x 28 feet 9 inches, 12 feet 10 inches x 11 feet, hardwood and pine floors, electric light. Permit issued.

Residences (2), 2018-20 Ripley street, Philadelphia, \$10,000. Architect, private plans. Owner, John P. Gallagher, 131 East Eleanor street, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), Ogontz avenue, Seventy-fourth and Nooster streets, Philadelphia, \$10,000. Architect, private plans. Owner, Samuel Kennedy, Kensington and Cumberland streets, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (14), West side Twenty-first street, North of Sixty-sixth avenue, Philadelphia, \$44,800. Architect, private plans. Owner, A. J. Sabia, 4104 North Fifth street, Philadelphia. Brick, 2 stories, 14x32 feet, slag roof,

pine floors, hot water heat, electric light. Permit issued.

Residences (4), 721-23-25-27 North Sixty-fifth street, Philadelphia, \$20,500. Architect, private plans. Owners, Perna & Perna, 6413 Vine street, Philadelphia. Brick, 2 stories, 15x32 feet, 11x13 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences and Garages (4), West side Dungan, South of Murray street, Philadelphia, \$18,800. Architect, private plans. Owner, F. Dietrich, Jr., 1823 East Hilton street, Philadelphia. Brick, 2 stories, 16x36 feet, hot water heat, electric light, garages, brick and frame, 1 story, 10x18½ feet. Permit issued.

Residences (10), North side Hartel street, West of Loretto street, Philadelphia, \$50,000. Architect, private plans. Owners, Castor Highlands Development Co., Castor avenue and Hartel street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (23), East side Glendale street, North of Luzerne street, \$92,000. Architect, private plans. Owner, Townsend B. Young, Glendale and Luzerne streets, Philadelphia. Brick, 2 stories, 14x24 feet, 10x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), North side Wakeling street, East of Tacony street, \$7,000. Architect, private plans. Owner, John Gabylewicz, 4615 Benner street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Verree road, West of Eighty-third street, Philadelphia, \$2,500. Architect, private plans. Owner, Wiley R. Dunn, 7436 Glenmore street, Philadelphia. Brick, 2 stories, 16x28 feet, pine floors, electric work. Permit issued.

Residences (27), South side Tilden street, West of Thirty-third street, Philadelphia, \$108,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x24 feet, 10x7 feet, hot water heat, electric light, hardwood and pine floors, slag roof. Permit issued.

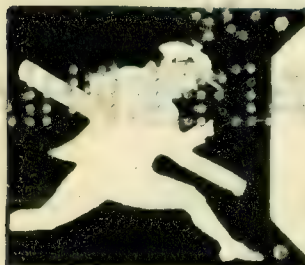
Residences (15), East side Horrocks street, South of Sanger street, \$76,000. Architect, private plans. Owners, William Francis Sons, Inc., 1214 Sanger street, Philadelphia. Brick, 2 stories, 20x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (3), North side Chandler street, East of Verree road, \$15,000. Architect, private plans. Owners, Betzel Brothers, 1227 Shelmire street, Philadelphia. Frame, 2 stories, 20x38 feet, hot water heat, electric light. Permit issued.

Residence, South side Whitemarsh avenue, West of Stenton avenue, \$12,000. Architect, private plans. Owner, George W. Carson, McCallum and Wellesley streets, Philadelphia. Stone, 3 stories, 41x29 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residence, 413 Sentner street, Philadelphia, \$6,000. Architect, private plans. Owner, Paul R. Schurer, 415 Sentner street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (22), East side Edgewood street, South of Elmwood avenue, \$3,800 each. Archi-



Good Work

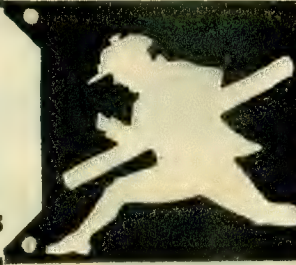
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



teet, private plans. Owners, Zerby & Holloway, 4717 North Broad street, Philadelphia. Brick, 2 stories, 15x26 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Almond street and others, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$11,717.19. Armstrong and Magnolia streets, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$6,862. Bridge street, Large to Oxford, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$3,232.16. Camac street and others, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$32,622.47. Comly street and Frontenac street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$26,578.72. Elmwood avenue, Ashford to Seventy-fifth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$10,683.07. Godfrey avenue and Sanger street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$19,967.58. Howard and Ruth streets, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$7,468.53. Lorretta, Sanger to Ox-

ford, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$14,455.56. Lycoming street, C to M street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$15,453.43. Nedro street, Twelfth to Thirteenth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$5,335.31. Spencer street and others, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$20,293.21. Summerdale avenue, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$5,764.96. Acorn street and others, Root Brothers, Walnut lane, Manayunk, Philadelphia, \$36,707.32. Ashdale and others, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$7,428.38. Brous avenue and others, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$11,731.35. Churchview street, Tower to Terrace street, Philadelphia, Thomas Conner, 6313 Dicks avenue, Philadelphia, \$24,618.28. Stokley street, Roberts avenue to Abbotsford, R. B. Wenner, 2315 Walnut street, Philadelphia, \$1,432.55. Wheel-pump lane and White Marsh street, R. B. Wenner, 2315 Walnut street, Philadelphia, \$3,640.54. Shawmont Pumping Station equipment, Acme Machine Co., 316 North Seventeenth street, Philadelphia, \$12,800.

and Grays avenue, Philadelphia, \$150,000. Architect, private plans. Owners, Department of Public Works, Bureau of Street Cleaning, 216 City Hall. Brick, east stone, reinforced concrete, steel, 1 story, 122x60 feet, 14x20 feet, hot water heat, electric light, metal lath, reinforced concrete, rolled steel sash, steel furnaces, water softening system, ramps, asphalt roof, granolithic floors, rolled steel sash, floor gratings, plumbing, wrought iron pipe. Contract awarded Hughes-Foulkrod Co., Schaff Building, Philadelphia.

Residence and Garage, Oak Lane, Philadelphia. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, W. A. Clark, care of architect. Stone, 2½ stories and basement, 60x54 feet, slate roof, oak and pine floors, tile work, bond, ornamental iron work. Contract awarded W. J. Gruhler Co., 219 High street, Philadelphia.

Apartment House, 454 East Locust street, Germantown, Philadelphia. Architect, J. Frank Clark, 23 South Sixteenth street, Philadelphia. Owner, W. F. Edward, care of architect. Brick, 3 stories, 2 wings, 30x114 feet, 48 apartments, slag roof, hardwood floors, door beds, incinerator, mill work, hot water heat, electric light, oil burner, fire tower. Contract awarded James A. Clark, care of architect, who is taking sub-bids due as soon as possible.

Garages (17), 2707 West Susquehanna avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Rowland C. Evans, Bailey Building, Philadelphia. Brick, 1 story, 8x17 feet, slag roof, cement floors, electric light. Contract awarded Hood & Gross, 1535 Chestnut street, Philadelphia.

Academy Building, Chestnut Hill, Pa. Architect, Paul A. Monaghan, 1520 Locust street, Philadelphia. Owners, St. Joseph's Academy, Rev. Mother Mary James, on premises. Stone, cut stone, brick, steel, 3 stories and basement, 204x53 feet, wing 104x40 feet, wing 96x43 feet, 2 wings 56x122 feet, tile and slag roof, cement, oak and pine and maple floors, hollow tile, metal window guards, integral and membrane waterproofing, ornamental iron work, iron stairs, floor hardener, bond, tin-clad and hollow metal doors, tile, marble and terrazzo work, metal lath, cinder block, reinforced concrete foundations, dumb waiter, bluestone, incinerator, area gratings, brass work (heating, plumbing, electric, drainage, ventilating, elevators, kitchen, pantry, cafeteria equipment, refrigeration reserved). Contract awarded McCloskey Co., 1620 Thompson street, Philadelphia.

Apartment Buildings (3), 232 West Walnut lane, Philadelphia. Architect, William H. Lee,

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Laundry (alts.), 15th and Columbia Ave., Phila. Architect, Eugene A. Stopper, 10 S. 18th St., Phila. Owner, Neptune Laundry, on premises. General alterations.* Contract awarded A. Raymond Raff Const. Co., 1635 Thompson St.

Home for Incurables, Conshohocken and Belmont avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Philadelphia Home for Incurables, Forty-eighth and Woodland avenue, Philadelphia. Stone, cut stone, reinforced concrete, steel, granite, limestone, 4 stories and basement, 600x42 feet (plumbing, heating, electric elevators, sprinklers separate), slag and slate roof, composition and cement floors, hollow tile, roof ventilators, integral waterproofing, cinder concrete block, area gratings, ornamental iron work, iron stairs, bond, hollow metal doors, kalamein and tin-clad doors, rolled steel sash, tile, marble and terrazzo work, metal-lath, caulking, metal partitions, linoleum, ornamental plaster. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Hospital (add.), Broad and Fitzwater streets, Philadelphia. Architect, Emil G. Per-

rot, 1211 Arch street, Philadelphia. Owners, Women's Southern Homeopathic Hospital, on premises. Brick, reinforced concrete, cut stone, steel, 4 stories and basement, 65x42 feet, slag roof, cement and composition floors, hollow tile, plumbing, metal window guards and weather strip, dampproofing, architectural terra cotta, steel stacks, wrought iron pipe, ornamental iron work, floor hardener, bond, tin clad and hollow metal doors, rolled steel sash, tile work, metal lath, electric light, steam heat, hollow metal partitions, steel stack. Contract awarded Farrell-Roth Const. Co., Twenty-first and Walnut streets, Philadelphia.

Smokeproof Tower, Stairways and Approaches, 1101-31 Chestnut street. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Estate of Stephen Girard, 1101 Chestnut street, Philadelphia. Waterproofing, reinforced concrete, brick work, structural steel. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Incinerator and Office Building, Fifty-first

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

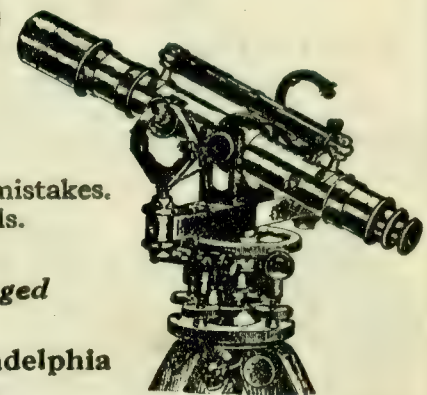
Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

*Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed*

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



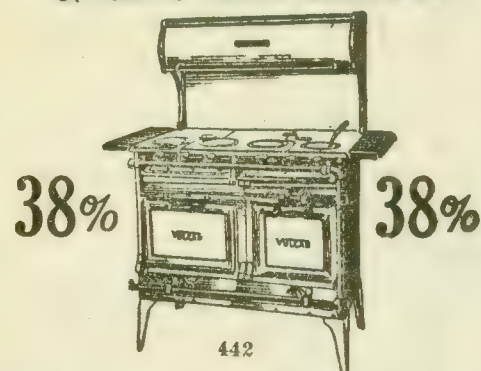
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

532 WIDENER BUILDING

BELL TELEPHONE—RITTENHOUSE 2823

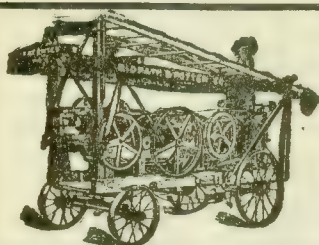
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

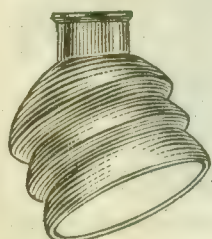
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

1505 Race street, Philadelphia. Owner, Chester W. Rudisell, care of architect. Brick, steel, 4 stories and basement, 321x40 feet each, slag roof, cement, oak and pine floors, plumbing, metal weather strip, dampproofing, architectural terra cotta, ornamental iron work, kalamine doors, electric light, metal lath, steam heat, composition floors. Contract awarded Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia.

Residence (int. alts.), North Thirteenth street, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, Arthur Boswell, on premises. Brick work, cement work, iron work, carpentry and mill work, plumbing, steam heat, electric light, plastering, metal lath, oak floors, painting, glazing, hardware. Contract awarded George H. Evans, 1416 Vine street, Philadelphia.

Residence, North side Gates street, East of Matthias street, Philadelphia, \$13,000. Architect, private plans. Owner, George B. Radcliffe, 4335 Pechin street, Philadelphia. Frame, stone, 3 stories, 26x36 feet, 12x8 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Adam Wilkinson, 439 Harmon road, Philadelphia.

Residence (add.), 918 Porter street, Philadelphia, \$6,000. Architect, private plans. Owner, Mary Skwesky, on premises. Brick, 2 stories add., 15x17 feet. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Church (alts.), North side Chestnut avenue, East of Germantown avenue, \$5,500. Architect, private plans. Owners, Our Mother of Consolation Church, on premises. General alterations. Contract awarded to McCloskey, 1620 Thompson street, Philadelphia.

Residence (add.), 8720 Prospect avenue, Philadelphia, \$5,000. Architect, private plans. Owner, W. F. Robinson, on premises. Brick, 1 story add., 20 feet 7 inches x 21 feet. Contract awarded to Stokes Brothers, 6723 Musgrave street, Philadelphia.

Residence and Store (add. and alts.), 2117 South Ninth street, Philadelphia, \$3,500. Architect, private plans. Owner, A. Nucifora, on premises. Brick, 2 stories add., 16x10 feet, general alterations. Contract awarded to Guiso Buono, 2123 South Ninth street, Philadelphia.

Greenhouse, North side Sedgley avenue, West of Twenty-eighth street, Philadelphia, \$3,000. Architect, private plans. Owner, Julius Wolff, Jr., 2880 Sedgley avenue, Philadelphia. Iron frame, 1 story, 25x50 feet. Contract awarded to Lord & Burnham, Land Title Building, Philadelphia.

Office (alts.), West side Fourth street, South of Market street, Philadelphia, \$2,500. Owners, American T. & T. Co., Bourse Building, Philadelphia. General alterations. Contract

awarded to F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Office (add.), 3218 North Front street, Philadelphia, \$6,000. Architect, private plans. Owners, Thompson & Bloom, on premises. Brick, 2 stories add., 14x31 feet 6 inches. Contract awarded to Thomas Matthews & Son, Hancock and Dauphin streets.

Garages (17), 2707 West Susquehanna avenue, Philadelphia, \$5,000 total. Owner, R. C. Evans, Bailey Building, Philadelphia. Brick, 1 story, 17x33 feet 6 inches, slag roof, cement oors, electric work. Contract awarded to Hood & Gross, 1535 Chestnut street, Philadelphia.

Boiler House, Southeast Corner York road and Tabor road, Philadelphia, \$3,000. Owners, Jewish Hospital, on premises. Brick, 1 story, 37 feet 8 inches x 50 feet. Contract awarded to H. T. Roe, 7711 Lyons avenue, Philadelphia.

Residence and Store (add. and alts.), 1027 Bainbridge street, Philadelphia, \$2,500. Architect, private plans. Owner, B. Lackowitch, on premises. Brick, 2 stories add., 14x66 feet, general alterations. Contract awarded to Benjamin Guberman, 6219 Webster street, Philadelphia.

Factory, rear of 3213 Frankford avenue, Philadelphia, \$20,000. Architect, private plans. Owner, Max Leithold, 3213 Frankford avenue, Philadelphia. Brick, 1 story, 25x20 feet, 64x140 feet. Contract awarded to Harry S. Barnes, 2080 East Willard street, Philadelphia.

Residence (add. and alts.), South side Chestnut avenue, South of Seminole avenue, Philadelphia, \$9,000. Owner, William A. Laib, on premises. Brick, 2 stories add., 6x9 feet 6 inches, general alterations. Contract awarded to John E. Walt, 204 East Willow Grove avenue, Philadelphia.

Office, 1411 Wolf street, Philadelphia, \$2,800. Architect, private plans. Owner, Charles H. Shetzline, 1415 Wolf street, Philadelphia. Brick, 1 story, 15x26 feet, slag roof, pine floors, electric light. Contract awarded to H. Dinkelacher, Ruan and Leiper streets, Philadelphia.

Residence (add. and alts.), 623 South Eighth street, Philadelphia, \$10,000. Architect, private plans. Owner, Minnie Green, on premises. Brick, 2 stories add., 13 feet 6 inches x 23 feet 9 inches, general alterations. Contract awarded to I. Negin, 1809 South Fourth street, Philadelphia.

Residence (add. and alts.), 5216 Parkside avenue, Philadelphia, \$7,000. Architect, private plans. Owner, Edward Connor, 321 Drexel Building, Philadelphia. Brick, 3 stories add., 18x30 feet, general alterations. Con-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4539 KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

tract awarded to Central Const. Co., 5255 Berks streets, Philadelphia.

Vault, Southwest Corner Howard and Norristreets, Philadelphia, \$5,000. Owner, James A. Kenney, on premises. Concrete and brick, 16x20 feet. Contract awarded to Farrel-Roth Const. Co., Twenty-first and Walnut streets.

Residence, 2711 Manton street, Philadelphia, \$4,000. Architect, private plans. Owner, Levino Verna, 1216 South Sixteenth street, Philadelphia. Brick, 2 stories, 15x21 feet 9 inches, 12x16 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to H. De Cato & Brothers, 1734 South Sixteenth street, Philadelphia.

Residence, 2710 Federal street, Philadelphia, \$4,000. Architect, private plans. Owner, Levino Verna, 1216 South Sixteenth street, Philadelphia. Brick, 2 stories, 15x21 feet 9 inches, 12x16 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to H. De Cato & Bros., 1734 South Sixteenth street, Philadelphia.

Residence (add. and alts.), 901-03 Tasker street, Philadelphia, \$3,600. Owner, Filippo Tobasso, 901 Tasker street, Philadelphia. Brick, 2 stories add., 15 feet 8 inches x 26 feet 6 inches, general alterations. Contract awarded to Dominico J. Camitti, 620 North Sixth street, Philadelphia.

Service Station, 207-09-11 Federal street, Philadelphia, \$40,000. Architect, H. H. McKeown, Sixteenth and Wood streets, Philadelphia. Owner, H. M. Lutz, care of architect. Brick, 2 stories, 56x160 feet, slag roof, cement floors, electric work. Contract awarded to J. Young, 5934 Baltimore avenue, Philadelphia.

Residence, East side Meadowbrook avenue, West of Whiteman avenue, \$14,670. Architect, private plans. Owner, George W. Carson, McCollum and Wellesley streets, Philadelphia. Stone, 2 stories, 33x33 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residence, Northeast Corner Chapel avenue and Murray street, Philadelphia, \$12,500. Architect, private plans. Owner, Mrs. Norman S. Neville, Bustleton, Philadelphia. Frame, 2 stories, 38x25 feet, hot water heat, electric light, tile work, hardwood and pine floors. Contract awarded to Charles T. Ely, Somerton, Philadelphia.

Shop (add.), 1829 Shamokin street, Philadelphia, \$12,000. Architect, private plans. Owners, Electric Power Engineering Co., 412 North Eighteenth street, Philadelphia. Brick, 1 story add., 28x72 feet, slag roof, cement floors. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Residence (alts.), 2110 Delancey street, Philadelphia, \$10,000. Architect, private plans. Owner, J. Claude Bedford, Packard Building, Philadelphia. General alterations. Contract awarded to Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Fire Escape, Southeast Corner Broad and Fairmount avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Hotel Lorraine, Broad and Fairmount avenue, Philadelphia. Contract awarded to John Baizley Iron Works, 514 South Delaware avenue.

Stable, 5700 City Line, Philadelphia, \$2,500. Owner, Richard J. Seltzer, on premises. Concrete, 1 story, 35x20 feet. Contract awarded to John Schnabel, Abbott Building, Philadelphia.

Pennsylvania Construction News

Residence, Ardmore, Pa. Architects, Boyd, Abel and Gugert, Otis Bldg., Phila. Owner, Wm. H. Wilson, 1617 Walnut St., Phila. Stone, 2½ stories and basement, 73x30 feet, shingle roof, oak and pine floors, electric light, metal lath, tile work, ornamental iron work (heating and plumbing reserved). Architects taking bids due as soon as possible.

Bank, Upper Darby, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Sixty-ninth Street Terminal Title & Trust Co., C. Gilpin Robinson, Sixty-ninth and West Chester pike. Brick, 1 story. Plans in progress.

Residence, Elkins Park, Pa. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Irving M. Anthony, care of architect. Cinder block and stucco, 2½ stories, shingle roof, hardwood floors, electric light, tile work. Plans completed. Architect ready for bids.

Bank, Royersford, Pa., \$150,000. Architects, Tilghman-Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Royersford Trust Co., J. A. Buckwaller, Royersford, Pa. Brick, stone. Preliminary plans in progress.

Residence and Garage, Merion and Sycamore avenue, Merion, Pa., \$60,000. Architect, not yet selected. Owner, J. B. McHugh, 892 North Markoe street, Philadelphia. Work contemplated.

Bank, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., care of architects. Brick, steel, stone, 2 stories, 16x80 feet. Plans in progress.

Residence (alts.), Center Valley, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, M. Shiffler, Center Valley, Pa. General alterations, slate roof, hardwood floors, electric light, tile work, partitions. Plans in progress.

Store (add. and alts.), South Main and Northampton streets, Wilkes-Barre, Pa. Architects, Knapp & Bosworth, Town Hall Building, Wilkes-Barre, Pa. Owners, Wilkes-Barre Dry Goods Co., C. H. Lowe, secretary, 11 South Main street, Wilkes-Barre, Pa. Brick, steel. Plans in progress.

Store and Apartment (alts.), Kingston, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, name withheld. General alterations, pine floors (plumbing and heating reserved). Plans in progress.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

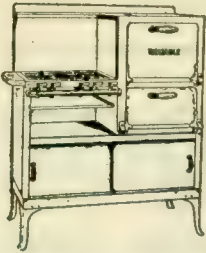
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.

263 So. 52nd St.

York Rd. & Rockland St.

Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building

Philadelphia

Penna.

Ben

19 W

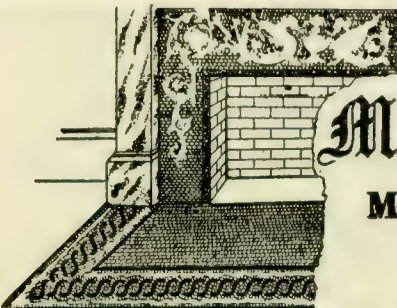
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road

Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

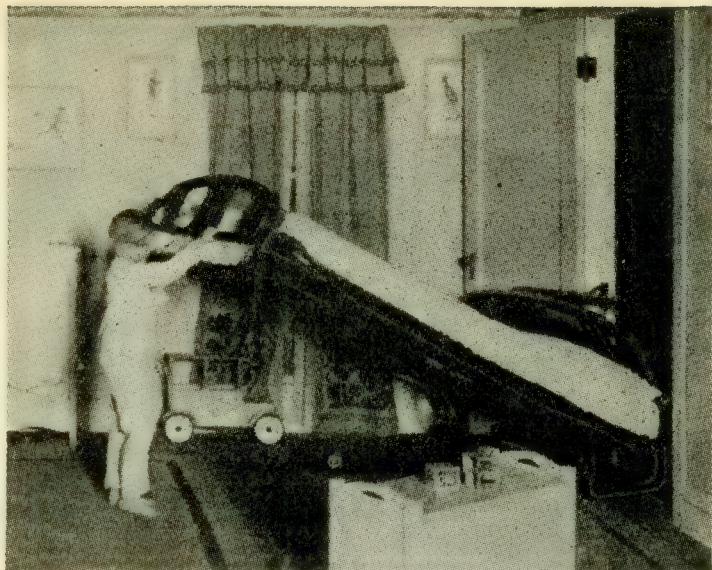
STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

BEDS

mes
ings

call at our
in kitchen
boards as
beds

CO.
Building
44th Street
York
BED



A child can operate the bed

portable, Convenient
here represented sell
Specified Materials or
of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.

and the concrete is spalling
topped by the application

s it prevent moisture
also covers the surface
es flat. It does not
e masonry.



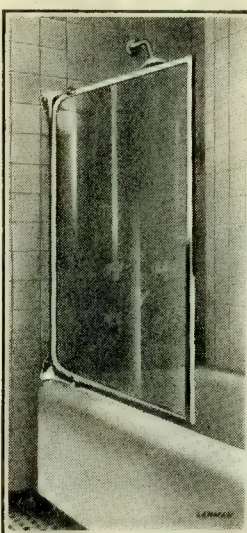
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

**WAREHOUSE STOCK IN
PHILADELPHIA**

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS

**TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Garage, Ashley, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owner, Larry Boylan, Ashley, Pa. Concrete block, steel, brick, 2 stories, 40x120 feet, slag roof,

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

concrete floors, steam heat, electric light, metal lath, steel sash, fire doors. Plans in progress.

Twin Residences (number undecided), Belmont avenue and Marshall street, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Frank Williams & Son, 701 South Fifty-eighth street, Philadelphia. Brick, stone, stucco, frame, 2 stories, 15 feet 8 inches x 40 feet, 18x32 feet, slate, asbestos, shingle, slag and tin roof, hardwood floors, electric light, tile work, garage 10x20 feet, hot water heat. Owner ready for sub-bids.

School No. 42 (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Scranton Board of Education, 425 North Washington avenue, Scranton, Pa. Brick, steel, 2 stories, 8 rooms, built-up roof, maple floors, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors (heating, plumbing and electric separate). Owners will be ready for bids in three weeks.

Residences (200), Marshall road, Sixty-ninth Street Boulevard, Stonehurst, Pa. Architect, C. C. Schweiker, 1209 Garfield avenue, Manoa Heights, Delaware County, Pa. Owner, James J. Andrien, 44 Marlborough road, Stonehurst, Pa. Stone, cinder block, frame, 2 stories, 14x22 feet, slag and shingle roof, pine and oak floors, hot water heat, electric light, metal lath. Owner taking bids at once.

Store (add. and alts.), Hazleton, Pa. Architects, Knapp & Bosworth, Town Hall Building, Wilkes-Barre, Pa. Owners, The Leader Store, Louis Roman, manager, 41 North Broad street, Hazleton, Pa. Brick, steel, 2 stories, 66x116 feet, slag roof, maple floors, hollow tile, elevators, roof ventilators, heating extension, electric light, metal lath, steel sash, skylights, fire doors, iron stairs. Architects ready for bids.

Gas Stations (2), Wilkes-Barre, Pa. Architect, J. A. Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Jones Oil Co., River road, Wilkes-Barre, Pa. Brick, 1 story, 20x20 feet, asbestos roof, concrete floors, electric light. Architect ready for bids.

Hospital, Carbondale, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, E. J. Healy, Carbondale, Pa. Brick, concrete, steel, 5 stories, 42x200 feet, Barrett roof, concrete, linoleum and terrazzo floors, hollow tile, elevators, dumb waiters, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors, steel sash, steam heat, electric light, metal lath, tile and marble. Will be ready for bids about June 1st.

School, Swoyerville, Pa. Architect, R. M.

Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Swoyerville School Board, M. A. Lavin, secretary, Swoyerville, Pa. Semi-fireproof, 2 stories, slag roof, maple floors (heating, plumbing, electric separate). Owners taking bids due May 12th.

High School, Plymouth Township, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Plymouth Township School Board, Howard Rowland, 977 West Main street, Plymouth, Pa. Fireproof, 2 stories, 80x92 feet, composition roof, pine floors, roof ventilators (heating, plumbing, electric separate), metal lath, iron stairs. Owners taking bids due May 12th.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Steckel Motor Co., Fairview and West streets, Allentown, Pa. Brick, steel, 1 story, 80x110 feet, concrete floors, roof ventilators, cast stone, floor hardener, hollow metal sash, steam heat, electric light. Owners taking bids due as soon as possible.

Residence, Wilkes-Barre, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owner, M. Nelson, 368 South Franklin street, Wilkes-Barre, Pa. Brick, 2½ stories, 41x52 feet, slate roof, hardwood floors, Warren Webster heat, electric light, tile and marble. Architect taking revised bids due May 7th.

Hospital (add. and alts.), Allentown, Pa. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Allentown Hospital, 1627 Chew street, Allentown, Pa. Brick, steel, Johns Manville roof, waterproofing and dampproofing, cast stone, skylights, tile and terrazzo. Architects taking bids due May 13th.

Residence and Garage, St. Davids, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Ernest W. French, care of architect. Stone, 2½ stories and basement, 28x14 feet, garage 28x38 feet, shingle roof, oak, pine and cement floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Architect taking bids due May 5th.

High School, Darby, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Darby Board of Education, J. E. Mellon, secretary, Darby, Pa. Hardware, lighting fixtures, equipment. Owners taking bids due May 10th, 6 P. M.

Store and Residence, Wycombe avenue and La Grosse avenue, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Nacey, 7254 Paschall avenue, Philadelphia. Brick, stone, cast stone, steel, 3 stories and basement, 20x60 feet, electric light, metal lath, tile work, hot water heat (roofing reserved), oak, pine and maple floors, plumbing, ornamental iron work, wrought iron pipe. Owner taking bids due May 9th.

Residence, Windber, Pa. Architect, H. L. Reinhold, Jr., 1513 Walnut street, Philadel-

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

phia. Owner, R. M. Mullen, Windber, Pa. Architect taking bids.

Church (alts. and add.), Wyncote, Pa. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Calvary Presbyterian Church, Wyncote, Pa. Plumbing, electric work, plastering, tile and marble work, stone work, carpentry and mill work, steam heat. Architect taking bids due May 9th.

Theatre, Garret road, Fairfield and Bywood avenues, Upper Darby, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Friehofer, Twentieth and Indiana avenue, Philadelphia. Architects taking bids at their office due May 9th, noon sharp.

Hospital, Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Mid-Valley Hospital, E. S. Jones, president, Blakely, Pa. Low bidders: S. Sykes & Sons, 1229 Penn avenue, Scranton, Pa.

Pennsylvania State Highway Work. Low bidders:

Northampton County, R-165, Spur A-2355. One course reinforced concrete. McInerney & McNeal, Easton, Pa., \$275,410.67.

Northampton County, A-4524, Nazareth Borough. One course reinforced concrete. Juniata Co., Empire Building, Philadelphia, \$44,156.63.

Beaver County, R-243, S-1a, Borough Township. Grading and drainage. Rinehart Brothers, East Liverpool, Ohio, \$35,524.26.

Luzerne County, A-3802, Black Creek Township. Bituminous surface treated macadam. David Schoentag, Inc., Saugerties, N. Y., \$157,663.45.

Luzerne County, R-170, S-2, Fairview and Hanover Townships. One course reinforced concrete. David Schoentag, Inc., Saugerties, N. Y., \$317,641.40.

Berks County, A-3587-A, Robeson and Bernville Boroughs, Heidelberg, North Heidelberg and Penn Townships. One course reinforced concrete. Ambler-Davis Co., Harrison Building, Philadelphia, \$166,882.40.

Cambria County, R-276, A-4268, S-8, Conemaugh Township. One course reinforced concrete. B. L. McKillip, Hollidaysburg, Pa., \$80,993.44.

Lackawanna County, R-5, Moosie Borough. One course reinforced concrete. Tyler & Cole, Meshoppen, Pa., \$18,409.76.

Greene County, R-111, S-5, A-4202-4283, Jackson Township. Grading and drainage. Sky Cont. Co., Johnstown, Pa., \$57,289.50.

Luzerne County, R-235, A-3978, Huntingdon Township. One course reinforced concrete. Tyler & Cole, Meshoppen, Pa., \$102,459.10.

Berks County, A-4427, Heidelberg Township. One course reinforced concrete. Swanger-Backler Const. Co., Inc., Lancaster, Pa., \$33,519.70.

Luzerne County, R-4, S-7, Hunlock and Plymouth Townships. One course reinforced concrete. George Powell, Nanticoke, Pa., \$131,097.58.

Berks County, R-146, S-2, Mt. Penn Borough. One course reinforced concrete. William B. Sheidy, Wyomissing, Pa., \$18,787.50.

Huntingdon County, A-2827, Hopewell Township. One course reinforced concrete. Standard Const. Co., Altoona, Pa., \$36,569.57.

Warren County, R-94, S-2, Warren Borough. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$44,701.90.

Elk County, A-4327, Ridgway Township. One course reinforced concrete. Avery & Bailey, Phillipsburg, Pa., \$21,030.29.

Northampton County, A-4549, Portland Borough. One course reinforced concrete. Collins & Maxwell, Inc., Easton, Pa., \$15,071.64.

Northampton County, A-5423, Bath Borough, 4,329 feet. One course reinforced concrete. William Eisenberg, Camden, N. J., \$37,047.07.

Mifflin County, A-2764, Oliver Township. Bituminous surface treated macadam. Avery & Bailey, Phillipsburg, Pa., \$44,608.06.

Pennsylvania Contracts Awarded

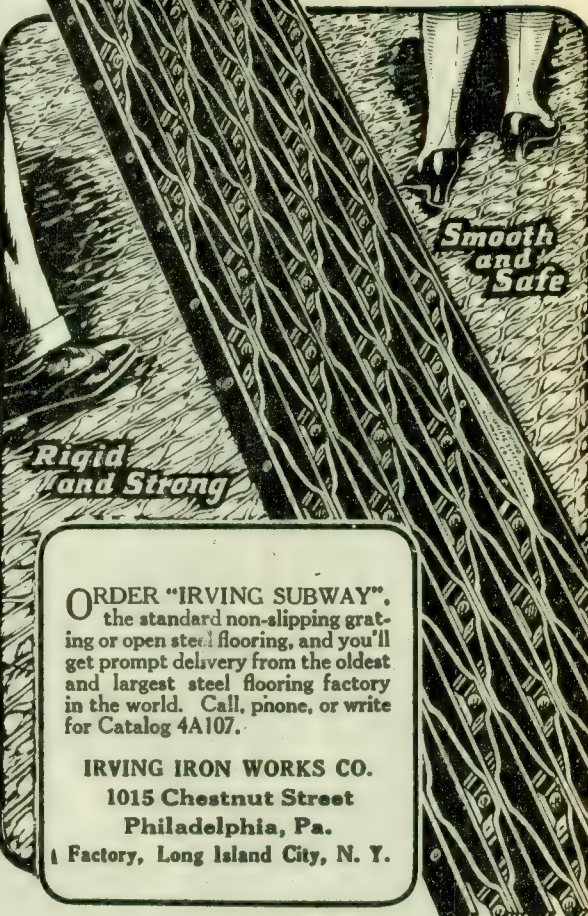
Auditorium, Sellersville, Pa. Architect, Carl P. Berger, 1512 Walnut St., Phila. Owner, L. O. O. M., Sellersville, Pa. Brick, steel, 2 stories, 40x85 feet, slag roof, maple floors, hot water heat, electric light. Contract awarded to A. C. Vernoy, Sellersville, Pa.

Bakery, Wilkes-Barre, Pa. Architect, J. A. Boyle, Bennett Bldg., Wilkes-Barre, Pa. Owners, Old Homestead Baking Co., 559 N. Pennsylvania Ave., Wilkes-Barre, Pa. Brick, steel, 2 stories, 42x96 feet, slag roof, maple floors, roof ventilators, steam heat, electric light. Contract awarded to Gomer and R. Jones, Lee Park, Pa.

Home (repairs), Clearfield, Clearfield County, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Clearfield County Commissioners, Clearfield, Pa. Bond, reinforced concrete, brick work, built-up asbestos roof, sheet metal work, plastering, iron work, iron stairs, carpentry and mill work, composition floors, refrigeration, painting, laundry equipment, hardware, kalamein doors, elevators. Contract awarded F. K. Worley Const. Co., Wesley Building, Philadelphia, \$78,058. Plumbing, Herr Brothers, Harrisburg, Pa., \$13,900. Heating, Standard Equipment & Mfg. Co., Pittsburgh, Pa., \$14,912. Electric, Electric Supply Co., Clearfield, Pa., \$7,516.

Parochial School, Kennett Square, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Patrick's Roman.

Always-When You Need Gratings —



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 2467 W

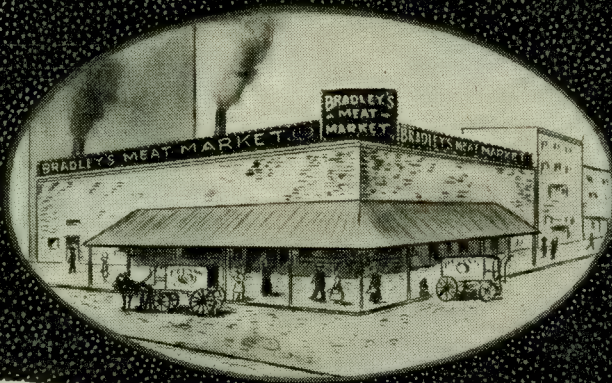
WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Philadelphia Yesterday and Today



Northwest Corner 21st & Market Sts.

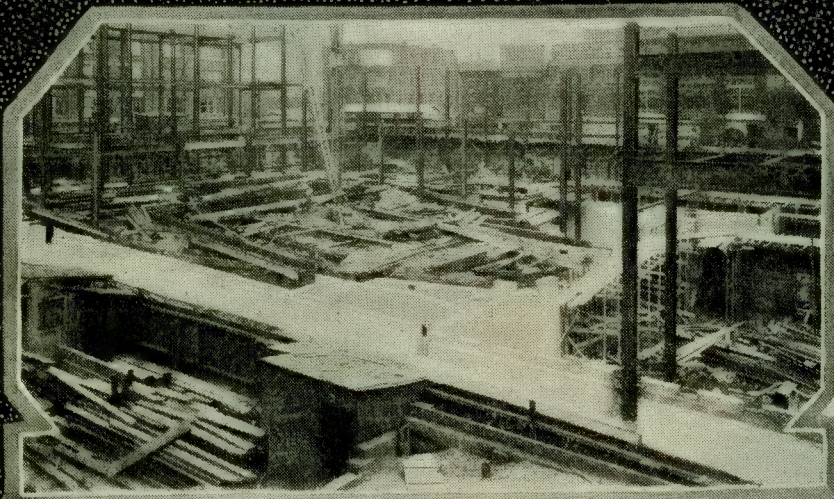
MANY will remember the old "Bradley Meat Market" which stood on this corner for many years.

Today on this same corner the beautiful "Erlanger Theatre" is nearing completion.

Philadelphia is indeed making giant strides to become famous for its architecture and buildings.

Co-operation is the watch-word of modern Progress.

THE VAN SCIVER CORPORATION
PRODUCERS AND DISTRIBUTORS
BUILDING MATERIALS
EXECUTIVE OFFICES
THE PARKWAY AT 24TH STREET
PHILADELPHIA



Catholic Church, Rev. A. C. Grady, Kennett Square, Pa. Brick, stone, cut stone, steel, 3 stories and basement, slate roof, cement and maple floors, metal lath, rolled steel sash, kalamein doors, hollow metal doors, bond, ornamental iron work, limestone, area gratings, metal toilet partitions. Contract awarded H. L. McLimans, West Grove, Pa.

Residence, Swoyerville, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Holy Trinity Church, Rev. J. Karnish, Swoyerville, Pa. Brick veneer, frame, 2½ stories, 40x52 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to Whalen Const. Co., Kingston, Pa.

Rectory, Bethlehem, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ursula's Roman Catholic Church, Rev. C. B. McGinley, Bethlehem, Pa. Stone, cast stone, steel, brick, 2½ stories and basement, 78x72 feet, slate roof, oak floors, metal weather strip, metal lath, tile and terrazzo work, hollow metal sash, ornamental iron work, flagstone. Contract awarded Ben Schrader, Bethlehem, Pa.

Hospital Buildings (2), Bryn Mawr, Pa., \$1,000,000. Architects, Zantinger, Borie & Medary, Otis Building, Philadelphia. Owners, Bryn Mawr Hospital, care of W. Hinkle Smith, Liberty Building, Philadelphia. Brick, marble, stone, steel, 4 stories, 7 stories and basement, slate roof, cement floors, elevators, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, bond, ornamental iron work. Contract awarded Stone & Webster, Real Estate Trust Building, Philadelphia.

Manufacturing Building, Bethlehem, Pa. Engineers, William Steele & Co., Fifteenth and Cherry streets, Philadelphia. Owners, R. K. Laros Co., Bethlehem, Pa. Brick, steel, 3 stories, 63x225 feet, wing, 1 story, 39x224 feet, slag roof, cement floors, elevator, steam heat, electric light, rolled steel sash. Contract awarded S. H. Clements & Co., Bethlehem, Pa.

Office Building, Ambler, Pa. Architect, Watson K. Phillips, 213 South Fifth street, Philadelphia. Owner, Henry C. Biddle, Ambler, Pa. Brick, cut stone, 1 story, 12x50 feet, hot water heat, electric light, architectural terra cotta. Contract awarded Potts Brothers, Ambler, Pa.

Mission Church, Elmhurst, near Seranton, Pa. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Roman Catholic Church (St. Eulalia's Roman Catholic Church), care of Rev. T. M. Jordon, Moskow, Pa. Stone, 1 story, 34x70 feet, slate roof. Contract awarded Van Brunt Const. Co., Moskow, Pa.

Main Hall and Class Room Building, Mercersburg, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Mercersburg Academy, Dr. William Mann Irvine, Mercersburg, Pa. Brick, steel, concrete, 5 stories, 42x130 feet, electric light. Contract awarded J. Ferguson & Co., Hagerstown, Md.

Church (add. and alts.), Laurel Run Borough, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owners, Primitive Methodist Church, Laurel Springs, Pa. Frame, 1 story and basement, 35x45 feet, shingle roof, pine floors, steam heat, electric light. Contract awarded to J. Thomas, Wilkes-Barre, Pa.

Store and Apartment (add. and alts.), Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, M. Landow, 208 East Market street, Wilkes-Barre, Pa. Brick, terra cotta, 3 stories, 48x94 feet, slag roof, pine floors, steam heat, electric light. Contract awarded to J. W. Thomas, Wilkes-Barre, Pa.

Central Heating Plant, Kingston, Pa. Architect, Thomas Podmore, Bennett Building, Wilkes-Barre, Pa. Owners, Wyoming Seminary, Rev. L. L. Sprague, president, Kingston, Pa. Fireproof, 1 story, 45x60 feet, asphalt roof, concrete floors, roof ventilators, fire doors, steam heat. Contract awarded to J. Smith & Co., Wilkes-Barre, Pa. Heating and plumbing to J. T. Evans, Wilkes-Barre, Pa.

Store (add.), Kingston, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Davis & Craig, Inc., Kingston, Pa. Brick, semi-fireproof, 1 story, 30x82 feet, slag roof, steam heat, electric light, rolled steel sash, metal ceilings. Contract awarded to William Whitesell & Co., 91 Goodwin avenue, Wilkes-Barre, Pa.

School, Shamokin, Pa., \$35,000. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Coal Township School Board, Mr. Ryan, secretary, Shamokin, Pa. Fireproof, 2 stories, 235x75 feet, slag roof, hardwood floors, tile, marble, metal lath (heating, plumbing, electric separate). Contract awarded to Shamokin Lumber & Const. Co., Shamokin, Pa.

Pennsylvania State Highway Work.

Fayette Co., R-118, S-2, Bellevernon Boro., one course reinforced concrete, \$31,523.70. Contract awarded to J. I. Dick, Scottsdale, Pa.

Bradford Co., A-4310, Ridgebury Twp. One course reinforced concrete. Contract awarded to Colonial Const. Co., Pittsburgh, Pa., \$210,310.18.

Lehigh Co., A-4394, Hanover Twp. and City of Bethlehem. One course reinforced concrete, \$90,246.10. Contract awarded to Michael Staub, Reading, Pa.

New Jersey Construction News

School Building, Pennsgrove, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, School Board, Pennsgrove, N. J. Cement block, stucco, 1 story and basement, 60x140 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Library, Princeton, N. J. Architect, C. T. Klauder, 1429 Walnut street, Philadelphia. Owners, Princeton University, Princeton, N. J. Stone, steel. Preliminary plans in progress.

Stores (11), Second and Kaighn avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, James Engleman, care of architect. 1 story. Too early for details. Plans in progress.

Parochial School, Pleasantville, N. J. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Peter's Roman Catholic Church, Rev. Dr. F. J. McCallion, Pleasantville, N. J. Brick, 2 stories, 60x100 feet, hardwood and composition floors, steam heat, electric light. Ready for bids in one week.

Residences (8), Sixth and Van Hook streets, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, James Rutberg, care of architect. Brick, cinder block, 2 stories, 15x40 feet, slag roof, pine floors, hot air heat, electric light. Owner will take bids.

Theatre, Glassboro, N. J. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Penn Jersey Amusement Co., care of architect. Brick, cut stone, steel, concrete block, 2 stories and basement, 115x273 feet, irregular. Architect taking bids due May 5th at noon.

Residence (alts. and add.), Delanco, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, G. W. Chambers, Delanco, N. J. Renovation and add., stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Architect taking bids due May 7th.

Infirmary (add.), Glen Gardner, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Hollow tile, steel, 3 stories, copper tile roof, cement floors, 130x45 feet, electric work. Owners taking bids due May 10th.

Clark Cottage, New Jersey State Village for Epileptics, Skillman, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, 2 stories, slate roof (electric work, heating, plumbing separate), tile work, composition floors. Owners taking bids due May 17th.

Market House, Absecon Boulevard, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners,

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel
FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.
5th and Market Streets, Camden, N. J.
BELL PHONE, CAMDEN 3210
KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

City of Atlantic City, Louis Kiehnoe, Commissioner, City Hall, Atlantic City, N. J. Brick, steel, 1 story, 180x50 feet, slag roof, concrete floors, roof ventilators, electric light, steel sash. Owners taking revised bids due May 5th.

Atlantic County Tuberculosis Hospital (alts. and add.), Pine Rest, N. J., \$35,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic County Board of Chosen Freeholders, Guarantee Trust Building, Atlantic City, N. J. Brick, 2 wings, steel skylights, hot water heat (electric reserved). Owners taking bids due May 11th.

Bridge, near Fox's Corner, Clementon Township, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Board of Chosen Freeholders, Camden County, C. L. Brehm, Camden, N. J. Lengthening bridge, 10-foot span (concrete arch to be 66 feet to out). Certified check, 10 per cent. Owners taking bids due May 9th, 11 A. M.

Office, Shop and Garage, Atlantic City, N. J. Architect, A. B. Steelman, Guarantee Trust Building, Atlantic City, N. J. Owners, General Outdoor Advertising Co., Atlantic City, N. J. Brick, 2 stories, 175x90 feet, slag roof, cement floors, electric work, steel sash, vault doors. Low bidder: S. A. Lippincott, 15 South Iowa avenue, Atlantic City, N. J.

Apartment House, Thirty-eighth and Myrtle avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, M. Lester White, care of architect. Low bidder: W. G. Mummaw, 301 Morse street, Camden, N. J.

Sewer System and Sewage Treatment Works, Longport, N. J. Owners, Borough of Longport, William S. Gilmore, Borough Clerk, Borough Hall, Longport, N. J. Lowest bidders: James Ferry Co., Atlantic City, N. J.

Road Work, New Jersey. Owners, State Highway Commission, Broad Street Bank Building, Trenton, N. J. Route 5, Section 18, Buttzville-Great Meadows, Warren County. Low bidders: I. B. Miller, Inc., 406 West Thirty-eighth street, New York, \$333,008.20.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Trenton, N. J. Route 7, Sec. 9, Adelphia-Aldrich road, Monmouth County. Excavation, double line reinforced concrete, gravel shoulders. Owners taking bids due May 9th at 11 A. M. (Eastern Standard Time). Certified check, 10 per cent. Deposit, \$10.

New Jersey Contracts Awarded

Armory (add.), Camden, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, State of New Jersey, Department of Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 84x50 feet (plumbing, heating, electric separate bids), black slate and slag roof, cement and pine floors, metal lath, marble work, bond, tin-clad doors, ornamental iron work, membrane waterproofing, terra cotta, coping, art stone, steel lockers, integral waterproofing, limestone, cast stone, area gratings. Contract awarded Tourison & Co., Queen lane and Germantown avenue, Philadelphia.

Office Building, Mt. Vernon and Pacific avenues, Atlantic City, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, I. B. Press Realty Co., care of architect. Reinforced concrete, brick, cut stone, granite, limestone, steel, 8 stories and basement, 150x39 feet (plumbing, heating, electric and elevators reserved), Barrett specification roof, cement and oak floors, hollow tile, Craftex wall finish, cinder concrete block, iron stairs, floor hardener, bond, tin-clad kalamein doors, hollow metal doors, copper skylights, sheet metal sash, metal lath. Contract awarded J. N. Gill Const. Co., City Center Building, Philadelphia.

Service Building, Trenton, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owners, Eagle Tire Co., South Warren and Bridge streets, Trenton, N. J. Cinder block, steel, brick, 2 stories, 65x70 feet, slag roof, concrete floors, steam heat, electric light, steel sash, fire doors. Contract awarded to R. Wyant, Morrisville, Pa.

Cottage, New Jersey State Home for Girls, Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Contract awarded to General Const. & Cont. Co., Trenton, N. J., \$42,873. Electric, Mercer Electrical Co., Trenton, N. J., \$3,457. Heating and plumbing, J. T. Evans, Wilkes-Barre, Pa., \$3,294.59, \$4,754.

Sheriff's House, Mays Landing, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic County Board of Chosen Freeholders, Atlantic City, N. J. Brick, 1 story, 16x25 feet,

slag roof, oak floors, electric light. Contract awarded to Henry Kraus, Mays Landing, N. J., \$5,650.

Boat House, Brigantine Beach, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owner, Hon. Isaac Bacharach, St. Charles Place, Atlantic City, N. J. Brick, 2½ stories, 35x26 feet, slate roof, hot water heat, electric light, tile and marble, iron work. Contract awarded to Raymond Wackner, Venice Park, Atlantic City, N. J.

Store and Apartments, 508 Kaighn avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, M. Borenstein, care of architect. Brick, cinder block, 2 stories, 20x76 feet, slag roof, pine floors, metal ceilings, hot water heat, electric light, tile work. Contract awarded to Victor Bezaehler, Fourth and Kaighn avenue, Camden, N. J.

Garage and Residence, River road and Beideman avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, J. Rassa, care of architect. Brick, cement block, 2 stories, 35x60 feet, slag roof, pine and concrete floors, electric light. Contract awarded to William Wegmann, Merchantville, N. J.

Residence, Bellevue avenue, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owner, Charles Doress, care of architect. Brick, 2½ stories, 24x40 feet, slate roof, hardwood floors, tile work. Contract awarded to Wilbur Cubberly, 80 Hudson street, Trenton, N. J.

Coal Pockets (4), Twenty-third and Howell streets, Camden, N. J., \$11,000. Architect, private plans. Owners, Pavonia Ice & Coal Co., Twenty-third and Howell streets, Camden, N. J. Concrete, 16x45 feet. Contract awarded to Nicholson Co., 247 Park avenue, New York City.

Residences and Stores (2), 3420-22 Westfield avenue, Camden, N. J., \$9,000. Architect, private plans. Owner, J. M. Pugh, Camden, N. J. Brick, 2 stories, 16x58 feet 6 inches, slag roof, hot air heat, electric work. Contract awarded to J. R. Dawson & Son, 105 North Forty-second street, Camden, N. J.

New Jersey State Highway Work.

Route 16, Sec. 10, Harlingen to Bolmers Corner, Somerset Co., Contract awarded to Conrad Sebolt, New Brunswick, N. J., \$210,869.17.

Route 17, Sec. 1, Paulsboro Causeway, Gloucester Co., \$111,072.81. Contract awarded to S. G. Corson, Harmoraa, N. J.

A. HUSKEY

PORTABLE

MEYER COSSOY

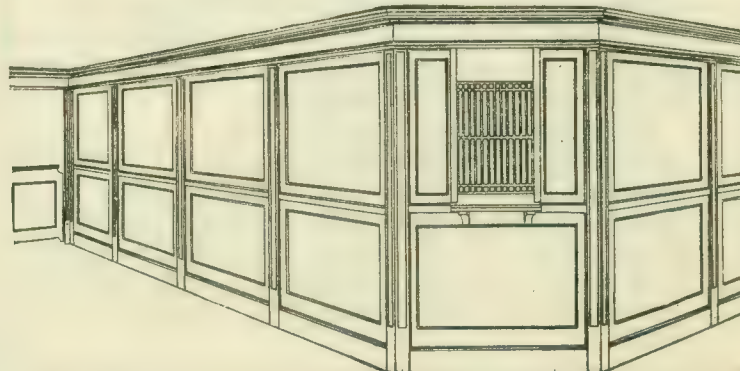
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

**STORE
FIXTURES**

FOR ALL KINDS
OF

STORES



**CABINET
WORK**

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

Garage and add., 301 Chestnut street, Camden, N. J., \$3,800. Architect, private plans. Owner, Guiseppi Sauro, 301 Chestnut street, Camden, N. J. Brick, 2 stories add., 24x22 feet 6 inches, slag roof, garage, block, 1 story, 10x17 feet. Contract awarded to Joseph De Medio, 1105 South Fourth street, Camden, N. J.

Residence, 413 North Thirty-second street, Camden, N. J., \$3,800. Architect, private plans. Owner, E. F. Nichan, 6118 Yocum street, Philadelphia. Frame, 2 stories, 18x22 feet, slate surface roof, warm air heat, electric light. Contract awarded to Paul Cunningham, 2617 Reed street, Philadelphia.

New Jersey State Highway Work. Route 18, South, Section 16, Route 20, Sec. 8, Malaga to Downtown, Gloucester County. Contract awarded to C. H. Earle, Inc., Chelsea Bank Building, Atlantic City, N. J., \$305,161.39.

Miscellaneous Construction News

Delaware State Highway Work.

Low bidders on work received April 27th. Contract 80, Brenford-DuPont Road, 1.65 miles. George & Lynch, Dover, Del., \$26,035.50.

Contract 81, Philadelphia Pike Widening, Shellpot-Bellevue, 1.86 miles. Mazzola & Marano, Inc., 739 S. 7th St., Phila. T. C. Pipe, \$161,523. Concrete Pipe, \$162,950.50.

Miscellaneous Contracts Awarded

Store Building, Wilmington, Del. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, W. T. Grant Co., 455 Seventh avenue, New York City. Brick, steel, 2 stories and basement, 48x117 feet, slag roof, maple and cement floors, steam heat, electric light, metal lath. Contract awarded Golder Const. Co., 263 South Fifteenth street, Philadelphia.

The Annual Spring Outing of the members of the Philadelphia Builders' Exchange and Employers' Association will be held at 1.00 P. M., Wednesday, May 11, at the Manufacturers' Country Club, Orelan, Pa.

The grand prize, the J. Jacob Shannon Company Loving Cup, will come up for open competition at this time. The present title holder, P. M. Kearney, of the

office of the Architect for the City Board of Education, is ready to defend his trophy against all comers. Other members distributed throughout the trades, admit having an eager eye on the grand trophy. There will be other prizes for players less fortunate.

The Outing will follow the usual plan. Golf for golfers, baseball for the fans, quoits for the ringers, cards for the sharps, tennis and anything else you care to play. Everybody will have some diversion.

A good dinner will be served at six o'clock, followed by an entertainment at seven-thirty. You know the reputation of the Manufacturers' Club for delicious dinners, and surely you will leave the entertainment part in the hands of the Committee.

Tickets will be \$5.00 each, covering the entire privileges of the Club except for the customary green's fee. Members should make reservations just as early as convenient because no tickets will be sold at the Club.

PROGRESS OF BUILDING INDUSTRY DEMANDS ELIMINATION OF WASTE

An Address by CHARLES F. ABBOTT, *Executive Director, American Institute of Steel Construction, Inc., 225 Madison Ave., New York City*

(Continued from last week)

Speed of construction is an important element in the costs of building. Every day lost, whether due to weather or other causes, means a direct increase in costs which must be borne by someone, and an indirect loss of revenue that would be realized were the structure in operation. Damages assessed each year for delays in completion amount to an enormous sum.

Material which permits speedy and economical construction during all seasons of the year is an invaluable asset to owner, builder, and labor. The worker's dread of seasonal unemployment is

one of the heaviest contributors to human discontent, distrust, and ill-will. Demands for what may seem exorbitant wages, and deliberate slowing down of work, are frequently actuated by the worker's knowledge that he will probably have to struggle through black periods of unemployment during which everything will be coming out of the family cash reserve and nothing going in.

Such a situation causes an annual loss of \$100,000,000 in the purchasing power of labor. Added to this is the loss through tied-up capital, idle mills, idle equipment, idle factories, and idle carriers.

Fortunately the use of steel for construction purposes is tending to abolish the seasonal fluctuations in building. Winter building with steel has become both safe and economical. As a matter of fact, winter costs are frequently less than summer costs. Better prices can often be had on materials. Better service can be secured from manufacturers who are not over-taxed by the summer peak. Labor costs are less, since efficiency is increased by the desire to hold the job.

As for actual speed of construction, disregarding the influence of the seasons, powerful hoisting machines, recently developed, are permitting the handling of larger, and consequently fewer, units of structural steel. Pneumatic hammers make their assemblage a quick and easy matter. The Salmon Tower in New York affords an example of the speed made possible, throughout all the seasons of the year, by the use of steel for construction purposes.

On June 25, 1926, work started with the demolition of twenty-nine buildings. On November 22, 1926, rising skyward, were five stories of steel frame-work. Construction is steadily progressing throughout the coldest months of the year. By April 1, 1927, a thirty story office building will be ready for occupancy.

Traffic congestion in our large cities results in a tremendous waste of time, and high costs for the transportation of merchandise. Because of the crowded

On the Ground When Wanted

CLAUSEN
TERRA COTTA

**FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.**

A^N ambition to give your orders the kind of attention that will **THOROUGHLY** satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a **REAL** Service.

William H. Clausen
27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

condition of the streets, a speedy and powerful motor truck is often no more efficient than a horse-drawn vehicle. If time is money, as it assuredly is, the waste of the individual's time, spent in jammed subways or crawling motors, runs into an almost incalculable sum.

There rests upon the construction industry an obligation to co-operate in the solution of the traffic problem. If the industry does not co-operate, and encourage serious study of the subject, it is likely to be handicapped by hastily evolved theories enacted into laws.

The suggestion that the limitation of building heights will automatically relieve traffic congestion is a case in point. Such a limitation would greatly delay the development of the skyscraper, America's distinctive contribution to the building art. It would deprive the architect, the engineer, and the builder of one of his most important sources of income. So far as any real student of the situation has been able to determine, it would increase rather than decrease traffic congestion.

The skyscraper is the most efficient building known to man. It concentrates beneath one roof a large group of business men and women who have quick and easy access to each other. Vertical transportation within the building, by means of elevators, is more rapid, more efficient, than transportation on horizontal streets can ever become.

We are entering upon a new era of municipal transportation in which such vertical circulation within tall structures will more and more tend to replace pedestrian and wheeled traffic on the streets. There are, however, definite steps which should be taken to relieve the admittedly bad traffic conditions in our great centers of population.

Two-story streets may sound visionary, but some are already in use and others are planned for the near future. In New York City borings are being made for an elevated motor highway that is to run for four miles along the North River between Canal and Seventy-second Street. The roadway will be five feet wider than Fifth Avenue, and will make it possible to cover the distance in ten minutes or less.

It would be a comparatively simple matter to construct all future buildings in the business centers of our large cities with a view to ultimately cantilevering sidewalks from the second story level. This would make it possible to broaden the present streets by the width of the sidewalks. Still further breadth could be given by arcading within the building line. Space would thus be provided for parking, or for loading and unloading.

The use of steel for the frames of residences promises substantial economies for the home builder and a reduction of

the fire hazard. The practicality of the steel frame house has been proved by the erection of such dwellings in various sections of the country. Ten houses of steel-frame construction are now planned for erection in Nassau County, New York.

At the present time no comparative costs are available, but as the steel shapes are standardized and turned out in large quantities, the costs of production should be greatly decreased. The Jones & Laughlin Steel Corporation, with their Junior Sections, the Massillon Steel Joist Company, and others are now producing steel for residence construction.

As for the effect upon the fire hazard, seventy-five per cent. of all residential fires have their origin in the basements. If steel, combined with metal lath and fire-proofing materials, were confined to the first floor alone we would wipe out a greater part of the fire loss and eliminate another source of economic waste.

Sales methods more or less in vogue in the construction industry frequently carry with them an impairment of service or unwise selection of materials—both of which increase the burden of costs that must be carried, in the end, by the public. The Institute has always emphasized the necessity of the one-price system, and the selection of building material with due regard to the special use to which it is to be put.

To sell at cost, or less than cost, is not business. It is suicide. The price cutter sells at an inadequate profit, or at no profit at all. His competitor follows his lead. The buyer finds himself receiving an inferior product or inferior service. The customer gets what he pays for, and no more. The industry, the seller, the buyer, and the public suffer.

The Institute discourages any attack upon competitive materials. The salesmen in the structural steel industry are able to admit the features claimed by the manufacturers of competing products, and are able to supplement this admission by pointing out the following fourteen features possessed by steel alone:

1. STRENGTH

Steel is the strongest material in commercial use. A mass of steel could be $3\frac{1}{2}$ miles high before it would crush under its own weight. A steel chain suspended vertically could be 18,000 feet long before its weight would break the top link.

2. SECURITY

Steel is the most homogeneous material used in construction. It is manufactured under constant inspection and with adequate plant facilities. Large molts and representative tests insure its uniformity. After approval at the plant its constituents and properties can be relied upon. The known characteristics of steel are frozen into it during the cooling process, where they remain constant under all

ordinary conditions of climate and handling.

3. NON-LOCAL

The quality of structural steel manufactured in the United States and Canada is practically uniform regardless of the raw material and labor employed.

4. NON-SEASONAL

Steel can be erected under any condition of weather without protection against varying climatic conditions.

5. FOOL-PROOF

Steel can withstand more abuse without injury than any other structural material.

6. WEIGHT

The deadweight of steel is less per unit of strength than any other construction material.

7. COMPACTNESS

Steel occupies less space per unit of strength than any other construction material.

8. SPEED OF ERECTION

Steel construction requires less time and thereby permits more immediate returns on land and capital.

9. INCOMBUSTIBILITY

Structural steel will not disintegrate except at very high temperatures. It requires no more fireproofing than do the bars used to reinforce other materials.

10. DURABILITY

The permanency of steel is fixed. By a simple process of protection against corrosion and electrolysis its life becomes unlimited.

11. RESISTANCE TO SHOCK

Steel combines greater strength with higher elasticity. For use in regions affected by earthquakes or severe wind storms it has no equal.

12. ADAPTABILITY

Alterations in a steel structure can be made more readily and at less expense than in any other form of construction.

13. SALVAGE

If a steel building is to be replaced the cost of demolition is moderate while the salvage value is considerable.

14. RESPONSIBILITY

Steel is produced and fabricated by concerns whose large investments would not permit them to jeopardize future business by furnishing inferior material or workmanship.

The Institute is strongly desirous of co-operating to the greatest possible extent with municipal officials, building committees, and other representatives of the public in whose hands rests the decision as to the material to be used for a given construction project. The Institute recognizes that such representatives are frequently without technical training or any special knowledge of materials.

(Continued next week.)

Reference Directory for Architects, Builders and Owners

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp.20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F., Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. and "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N.,Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N.,Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co., Westmont, N. J.

GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.,3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Livezey, Thos. H., American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph,South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp.20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD (Sheetrock)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Audubon Wire Cloth Co.Audubon, N. J.
Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

Phila. Daylight Co.,Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

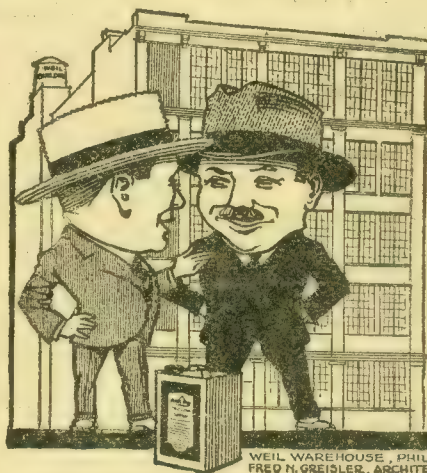
PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

This Warehouse is Always Dry—It's Waterproofed with "ANTI-HYDRO"

Insurance companies give a lower rate to warehouses with waterproof floors than those without them. By using "ANTI-HYDRO" you can guarantee waterproof floors and the saving in insurance premiums for your clients, and at the same time give them absolutely hard, dustproof floors.



"ANTI-HYDRO" is a liquid integral compound, extremely easy to use. Any unskilled laborer can mix it with the gauging water. One troweling is usually sufficient for a perfect finish when "ANTI-HYDRO" is mixed with the concrete. It also accelerates the set of cement, eliminating over-time work.

Twenty-three years of continuous use assure you of complete satisfaction from every "ANTI-HYDRO" installation. Use it on your next job.

WELL WAREHOUSE, PHILADELPHIA, PA.
FRED N. GREIDLER, ARCHITECT & ENGINEER. ROBBINS CONTRACTING CO., PHILA. BUILDERS

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

METAL CORNICES
AND
SKYLIGHTS

TILES

IN SPANISH
Closed Shingle
Red and Glazes

FELT, PITCH, SLAG

ROOFING

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 19
May 11, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

THOS. H. LIVEZEY & CO.

IRON AND STEEL

Structural Steel and Ornamental Iron

**DESIGNED DETAILED
FABRICATED ERECTED**

to meet the most exacting
requirements

POWER STATION WORK A SPECIALTY

Luzerne and American Streets
PHILADELPHIA

BELL—MICHIGAN 2300

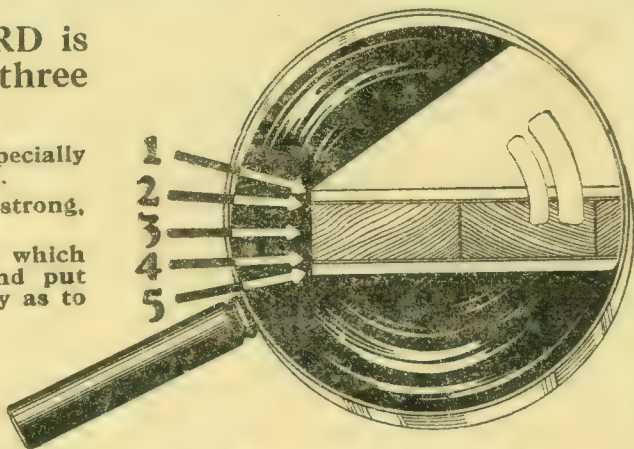
KEYSTONE—PARK 4631

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

When a Reliable Concern Say—

We are sorry we cannot meet *that*
price, they know it would be a loss,
or cut the quality of work they have
standardized on for years. It takes
moral courage to refuse business.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Diston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

**Phila. Building Materials Co.
JOHN F. DAKIN**

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

**OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING**

TELEPHONE—POPLAR 2118

EXPANDED METAL LATH



**KNO-BURN MESH
DIAMOND MESH
RIB LATHS**

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD**

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

**PEARCE FIREPROOF CO.
1911-13 North 2nd Street, Phila.**

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

**N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.**



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia



\$172.00 BUYS 3 S
TRAILER COMPLETE
WITH ENGINE

ONE BAG FILTER NOW AT HALF BAG PRICE

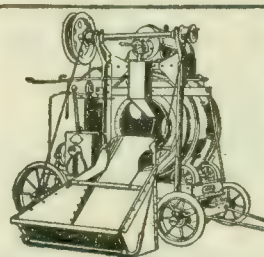
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

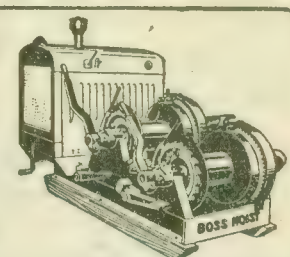
20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS
55 - 75
105 - 145
215 - 285
GAS
STEAM
ELECTRIC
ALLEY
STREET
PAVER

HOISTS
SINGLE
AND
DOUBLE
DRUM
REVERS-
ING
\$135
UP
FORDSON
WINCHES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be secured.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

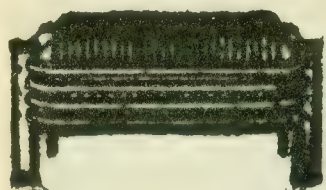
Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

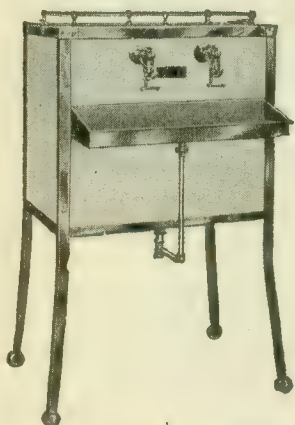


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

Fleck Bros. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 19

PHILADELPHIA
May 11, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Building. Parkway, Sixteenth and Cherry streets, Philadelphia. Architect, Paul P. Cret, Otis Building, Philadelphia. Owners, American Philosophical Society, L. E. Hansen, 104 South Fifth street. Two stories and basement. Sketches drawn.

Church (int. alts.), Northeast Corner Broad and Butler streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Stephen's Roman Catholic Church, Joseph A. McCullough, on premises. Plans in progress.

Stores (6), Show Room, Northwest Corner Forty-fifth and Walnut streets, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Felt Brothers, Packard Building, Philadelphia. Brick, 1 story, electric light, cement work, plate glass, metal bulks. Plans in progress.

Church and Sunday School, Oakley avenue, Lawndale, Pa. Architects, Heacock & Hokanson, 1210 Chestnut street, Philadelphia. Owners, Lawndale Presbyterian Church, Lawndale, Pa. Stone, brick, steel. Plans in progress.

Garage, Fifty-second and Cedar avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, steel, concrete, 200-car capacity, slag roof, concrete floors. Plans in progress.

Vare School (alts. and add.), Morris and Moyamensing avenue, Philadelphia. **Howard Furness School (alts. and add.),** Third and Mifflin streets, Philadelphia. Architect, I. T.

Catherine, Nineteenth above Chestnut streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut streets, Philadelphia. Plans in progress.

School (add. and alts.), Philadelphia. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Joseph's Roman Catholic Church, Rev. Stockowicz, care of D. Cardinal Dougherty, Eighteenth street above Race, Philadelphia. Brick, steel, 8 rooms, general alterations. Plans in progress.

Stores (2), Apartments (9), Northeast Corner Sixty-third and Haverford avenue. Architect, R. M. Dippy, Medical Arts Building, Philadelphia. Owner, C. C. H. Kirlin, on premises. Brick, 3 stories, alts. and additions. Plans about completed. Architect ready for bids in week.

Apartment House, South side Pine street, between Forty-seventh and Forty-eighth streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Herman, Bobbs & Pepper, care of architect. Brick, steel, stone, cast stone, 4 stories and basement, 1 wing, first of three to be built, 58x102 feet, 28 apartments, slag roof, hardwood and tile floors, vapor vacuum heat, 2 oil burners, electric light, metal lath, steel sash, fire tower, metal doors, ornamental iron work, insulation, copper ventilators, kitchen and laundry equipment, Murphy beds, automatic elevators. Plans in progress. Owners will take sub-bids on location in one week.

Y. M. C. A., Greene street above Cheltenham

avenue, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia. Owners, Young Men's Christian Association, of Germantown, Pa. Reinforced concrete, brick, steel, stone, cut stone, 4 stories and basement, 311x91 feet, built-up and slate roof, cement, oak and pine floors, hollow tile, waterproofing, architectural terra cotta, cast stone, wall finish, cinder concrete block, ornamental iron work, iron stairs, floor hardener, bond, hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, metal toilet partitions, dumb waiters, cast granite, linoleum and Duraflex floors. Architects taking bids due May 17th at noon.

Stores (8), Old York road and Cheltenham avenue, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Charles Kahn and J. Solis Cohen, Jr., Morris Building, Philadelphia. Brick, steel, reinforced concrete, 1 story and basement, 141x40 feet, slag roof, composition floors, plumbing, wrought iron pipe, ornamental iron work, bond, electric light, metal lath, gas radiator. Architect taking bids due May 12th.

Office Building, Shop and Shed, 613-23 South Twenty-fourth street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, D. J. Keating, 2042 Rittenhouse street, Philadelphia. Brick, 2 stories, 56x21 feet, 1 story, 56x48 feet (plumbing, heating reserved), slag roof,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.
1729-31 Sansom Street, Philadelphia
BELL PHONE, RITTENHOUSE 7530
KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.
ENGINEERS AND CONTRACTORS
WITHERSPOON BUILDING
PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

cement floors, pine floors. Architects taking bids due May 12th.

Stores and Apartments (alts. and add.), Sixty-third and Woodbine avenue, Philadelphia. Architect, C. M. Wells, Ruthledge, Pa. Owners, McGinley & Bickel, on premises. Brick, 2 stories add., slag roof, oak and pine floors, hot water heat, electric light, metal lath, tile work. Architect taking bids due May 14th, 11 A. M.

Contract No. 23B, Delaware River Bridge Commissioners. Owners, Delaware River Bridge Joint Commission, Widener Building, Philadelphia. Owners taking bids due May 18th, 1:30 P. M. (Standard Time). Certified check, \$1,000; deposit, \$25, refunded; time, 60 days. Demolition of field office, 228 North Delaware avenue, grading and paving site of field office, demolition of shed on Pier No. 11½.

Synagogue, Southwest Corner Fifty-second and Columbia avenue, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owners, Congregation, Shaari Zedek, care of architect. Brick, cast stone, steel, 1 story, balcony and basement, 120x36 feet, built-up roof, cement floors, metal lath, tile work, hollow metal sash, hollow metal doors, ornamental iron work, wall finish, metal partitions. Architect taking bids due May 15th.

Greenhouse and Cottage, Chestnut Hill, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Arthur H. Lee, Chestnut Hill, Pa. Architect taking bids due May 12th.

Factory, Northwest Corner Wissinoming and Friendship streets, Philadelphia, \$16,000. Architect, private plans. Owner, A. Malachowski, 3334 North Hancock street, Philadelphia. Brick, 1 story, 47x148 feet. Permit issued.

Residences (2), 8065-67 Rowland avenue, Philadelphia, \$4,000 each. Architect, private plans. Owner, Fred J. Blankenhorn, 8049 Rowland avenue, Philadelphia. Brick, 2 stories, 15x16 feet, 16x23 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Birney School (add.), Ninth and Lindley avenue, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: Gorman & Frank, 6912 Market street, Philadelphia, \$127,000 R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$139,800. Plumbing, Bulman Brothers, Fifth and Cumberland streets, \$7,133. Heating, McClintock & Co., 5608 Race street, Philadelphia, \$14,195; S. Faith & Son, 8827 Pennsylvania avenue, Philadelphia, \$997. Electric, Walker & Kepler, 530 Chestnut street, Philadelphia, \$4,096. Specification No. 86, Jones School, Kuehnle & Co., Seventeenth and Vine streets, \$9,800. No. 87, Jefferson School, J. J. Murphy, 1835 Ludlow street, \$6,400. No. 90, Roosevelt, Hooper & Null, 1609 Ranstead street, \$8,400. No. 92, Newton Felt, P. B. Canon, Philadelphia, \$6,480. No. 93, Morrison, Hooper & Null, 1609 Ranstead street, \$4,200. No. 95, Roxborough, James McAlpin, 1713 North Twenty-fourth street, \$9,500. No. 97, Lawndale School, H. W. Ehringer, Sixth and Duncannon streets, \$2,980. No. 98, Logan, Kuehnle Co., Seventeenth and Vine streets, \$5,575. No. 99, Kennedy, H. W. Ehringer, Sixth and Duncannon streets, \$4,260. No. 100, Lawnton, Hooper & Null, 1609 Ranstead street, \$4,280. No. 103, Hamilton Disston, Kuehnle Co., Seventeenth and Vine streets, \$5,630. No. 104, Manor, H. S. Rau, 1939 Market streets, \$5,977. No. 105, Harding, Hooper &

Null, 1609 Ranstead street, \$9,800; Kuehnle Co., Seventeenth and Vine streets, \$9,800. No. 106, Blankenburg, H. S. Rau, 1939 Market street, \$5,245. No. 117, Mebinger, J. J. Murphy, 1835 Ludlow street, \$6,200.

Center Fire Alarm Sub-Station, Forty-third and Kingsessing avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, 1315 Walnut street, Philadelphia. Low bidders: McCormick-Lenham, Broad and Tasker streets, \$32,600. Heating, Fred Godshall, 1313 Fairmount avenue, Philadelphia, \$2,280. Plumbing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$2,213. Electric, Walker-Kepler, 530 Chestnut street, Philadelphia, \$3,073.

Residences (54), East side Frontenac street, North of Van Kirk street, Philadelphia, \$263,000. Architect, private plans. Owner, August Mignatti, 6526 North Sixth street, Philadelphia. Brick, 2 stories, 18 feet 2 inches x 33 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (operation), North side Sixty-eighth avenue, West Limekiln Pike, Philadelphia, \$121,200. Architect, private plans. Owner, Louis W. Felscheid, 836 East Haines street, Philadelphia. Brick, 2 stories, 15x25 feet, 11x10 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (9), North side Parker street, East of Ridge avenue, \$6,500 each. Architect, private plans. Owner, Max Meitner, Houghton avenue and Hermitage street, Philadelphia. Brick, 2 stories, 20x30 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, East side Sixteenth street, South of Ontaluma street, Philadelphia, \$5,000. Architect, private plans. Owner, Joseph Cutler, 6720 North Eighteenth street, Philadelphia. Brick, 2 stories, 15 feet 10 inches x 31 feet 7 inches, 12 feet 6 inches x 17 feet 5 inches, hardwood and pine floors, hot water heat, electric light. Permit issued.

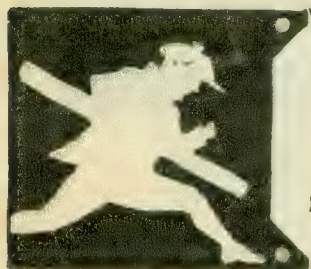
Residences (20), North side Roxborough avenue, West of Henry street, Philadelphia, \$70,000. Architect, private plans. Owner, Anthony McEntee, 4619 Whittaker street, Philadelphia. Brick, 2 stories, 16x28 feet, 12x14 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (6), Store and Office (1), Germantown and Mt. Airy avenues, \$50,000 total. Architect, private plans. Owners, Herbert V. Realty Co., 206 Bailey Building, Philadelphia. Brick, 2 stories, (4) 16x50 feet, (2) 15x32 feet, 12x17 feet, store and office, 16x40 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences (2), North side Ripley street, East of Eighty-fourth street, Philadelphia, \$7,000. Architect, private plans. Owners, Simon & Reisbold, 8416 Eastwick avenue, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Mt. Airy avenue, West of Greene street, \$17,000. Architect, private plans. Owner, G. Hilliard English, 72 West Cheltenham avenue, Philadelphia. Stone, 3 stories, 64 feet 10 inches x 48 feet 7 inches, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, South side Gates street, East of Ridge avenue, Philadelphia, \$9,700. Architect, private plans. Owner, George M. Robinson,



Good Work

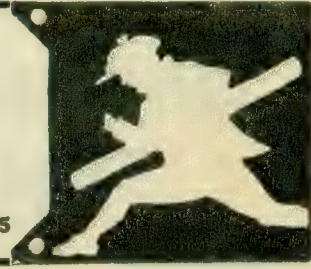
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



635 Summit avenue, Philadelphia. Brick, 3 stories, 24x33 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, 336 Gates street, Philadelphia, \$7,000. Architect, private plans. Owner, Richard A. Horrocks, 4776 Silverwood street, Philadelphia. Stone and brick, 2 stories, 20 feet 3 inches x 51 feet, hardwood and pine floors, hot air heat, electric light. Permit issued.

Retaining Wall, South side Ashdale avenue, West of Front street, Philadelphia, \$4,000. Owner, J. Henry Parker, 5883 Old York road, Philadelphia. Permit issued.

Residences (6), Charles and Unruh streets, Philadelphia, \$4,000 each. Architect, private plans. Owner, Fred Smith, 6715 Jackson street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment House 251 West Rittenhouse street, Philadelphia, \$42,000. Architect, private plans. Owner, Irvin T. Schorsch, Seventeenth and Erie avenue, Philadelphia. Brick, 3 stories, 42x20 feet 8 inches, 32 feet 9 inches x 90 feet 4 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Sub-Station (add.), North side Arrott street, West of Frankford avenue, \$30,000. Architect, private plans. Owners, J. P. R. T. Co., 810 Dauphin street, Philadelphia. Brick, one story add. 42x42 feet. Permit issued.

Residences (8), Passyunk avenue, West of Stetler street, Philadelphia, \$42,000. Architect, private plans. Owner, Jacob Gorchov, 4116 Girard avenue, Philadelphia. Brick, 2 stories, 15x28 feet, 12x22 feet, slag roof, pine floors, hot water heat electric light. Permit issued.

Residence, North side Henry avenue, South of Coulter street, Philadelphia, \$19,000. Architect, private plans. Owner, William J. Gruhler, 219 East High street, Philadelphia. Stone, 3 stories, 27x40 feet, 21x24 feet, slate roof, hardwood and pine floors, hot water heat, electric light tile work. Permit issued.

Residence, South side Bells Mill road, West of Germantown avenue, \$18,000. Architect, private plans. Owner, J. W. Moffley, 518 West Mt. Airy avenue, Philadelphia. Stone, 3 stories, 50x33 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residences (3), Eastwick avenue, East of Eighty-fifth street, Philadelphia, \$13,000. Architect, private plans. Owner, William Greenman, 8321 Botanic avenue, Philadelphia. Brick, 2 stories, 16x26 feet, 13x10 feet, slag roof, pine floors, hot water heat electric light. Permit issued.

Residences (2), West side Watson street, North of Oxford street, Philadelphia, \$12,000. Architect, private plans. Owners, Cassali &

Duffy, Northeast Corner Watson and Napfe streets. Stone, 2 stories, 17x50 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Factory (alts.), Northeast Corner Eighth and Somerset streets, Philadelphia, \$10,000. Architect, Julian Simsohn, 1352 Girard avenue, Philadelphia. Owner, Philip H. Wunderle, 116 Pegg street, Philadelphia. General alterations. Permit issued.

Residence, Northeast Corner Hancock and Van Horn streets, Philadelphia, \$5,000. Architect, private plans. Owner, Fred Smith, 6715 Jackson street, Philadelphia. Brick, 2 stories, 16xx42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Sewer Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Washington lane, Chew to Boyer streets, M. J. Driscoll, 100 West Apsley street, Philadelphia, \$24,260. Ditman, Knorr to Longshore, Curtis Brothers, State road, Philadelphia, \$4,823.25. Erdrick street, Princeton to Tyson, McIntyre Const. Co., 5811 North Franklin street, Philadelphia, \$4,498.23. Fourth street, Johnson to Oregon, Pizagno & Hirsch, 907 South Thirteenth street, Philadelphia, \$8,742.46. Grovers avenue, Sixty-ninth to Seventy-second, Savatini & Vallone, 1719 South Chadwick street, Philadelphia, \$29,682.70. Lawnston street, Green lane to Conarroe street, O'Neill Co., 127 East Mermaid lane, \$4,749. Limekiln turnpike, Johnson to Clivenden, A. De Sandro & Son, 3906 North Fifth street, Philadelphia, \$6,855. Limekiln pike, Bayard, Upsal, Seventy-eighth, etc., A. De Sandro & Son, 3906 North Fifth street, Philadelphia, \$12,503. Longshore street, Erdrick to Algard, F. De Pasquale, 1215 South Seventh street, Philadelphia, \$7,352.50. Loretta avenue Comly to Devereaux street, F. De Pasquale, 1215 South Seventh street, Philadelphia, \$9,694. M street, Bristol to Cayuga, D. De Sandro & Co., 3906 North Fifth street, Philadelphia, \$7,904. Marsden, Knorr to Longshore, A. Frunzi, 513 High street, Philadelphia, \$3,960.70. Montague Princeton to Tyson, McIntyre Const. Co., 5811 North Franklin street, Philadelphia, \$4,727.35. Ontario street, Richmond to Allen street, Mundy Paving Co., 226 South Warnock street, Philadelphia, \$1,465. Rising Sun, Olney to Clarkson, Mazzola & Mariana, 731 South Seventh street, \$9,122. Richmond street, Allegheny to Ontario, Pizagno & Hirsch, 907 South Thirteenth street, Philadelphia, \$19,952.70. Walnut Lane, Kingsley to Park lane, J. J. McHugh, 1617 Race street, Philadelphia, \$13,941.95. Whitaker avenue, to Cayuga, Pizagno & Hirsch,

907 South Thirteenth street, \$12,105. Whitaker avenue, Tampa, Wyoming and Loudon, Leva Brothers, 104 West Gale street, Philadelphia, \$18,995.60. Thirty-third, Hunting to Lehigh, Pizagno & Hirsch, 907 South Thirteenth street, Philadelphia, \$6,552. Walker street, Albert Perna, Sixty-fifth and Callowhill streets, \$18,995.60.

Pennsylvania Railroad Work, C. E. Walsh, 15 N. 32nd Street, Phila. Owner taking bids due May 13th at noon. Contract No. 48, tie plates and joint bars; No. 49, steel superstructure for bridges; No. 50, for frogs and crossings.

Theatre, Broad Street and 66th Avenue, Oak Lane, Philadelphia. Architects, Hodgins & Hill, 130 S. 15th Street, Philadelphia. Owner, Wm. H. Freihofer, 20th and Indiana Avenue, Philadelphia. Plans in progress.

Drug Store, 7th and Pine Streets, Philadelphia. Architect, Edw. A. Roth, Drexel Building, Philadelphia. Owner, Nathan Brenner, 7th and Pine Streets, Philadelphia. Brick, steel, cast stone, 3 stories and basement, 20x40 feet, spanish tile roof, cement and composition floors, hot water heat, electric light, oil burners, tile work, metal lath, ornamental iron work.

Business Building, 1505 Walnut Street, Philadelphia. Architect, Arthur W. Hall, 1209 Lewis Building, Philadelphia. Owner, Real Estate Finance & Guaranty, care of architect. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 118x24 feet, composition roof, cement and maple floors, plumbing, vapor heat, electric light, metal lath, tile work, galvanized iron skylights, bond, ornamental iron work, sprinkler system. Architect taking bids due May 13th.

Stores (2) and Apartment, S. E. Corner 20th and Walnut Streets, Philadelphia. Owner, S. T. Hall, 17th and Sansom Streets, Philadelphia. Brick, stone, steel, 4 stories, 22x100 feet. Work contemplated.

Residences (29), Briar Road, S. of Walnut Lane, \$174,000. Owner, A. J. Sabia, 4104 N. 5th Street, Philadelphia. Brick, 2 stories, 15x31; 11x10, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (4), Rutland Street, North of St. Vincent Street, \$18,000. Owner, Michael Stevens, 7434 Oxford Avenue, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, pine floors. Permit issued.

No. 190, Sidewalk Restoration, Broad Street, Noble to Stile St., Phila. Owner, Department of City Transit, 1211 Chestnut Ctreet, Phila. Owner taking bids due May 17th 11 A. M. (S. T.). Certified check, 5% deposit. \$25.00 refunded.

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

“Weilco” Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

Examine our complete line of Rebuilt Transits and Levels.

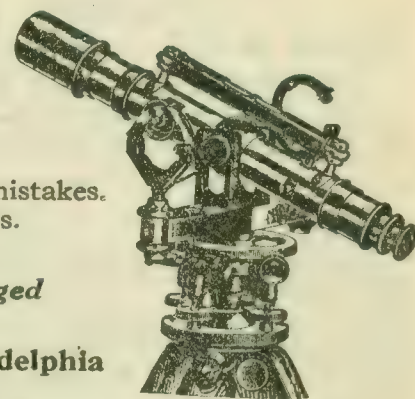
Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged

All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES

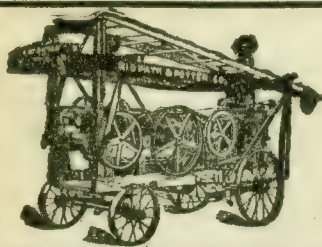


38% 38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.

22nd & Cambria Sts.
Phila. Pa.



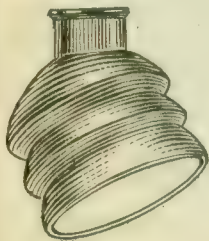
You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.

2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.

BOURSE BLDG.

LOM brd 9300

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Sales and Service Building, 1513-15 North Broad street, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, R. H. Greenburg and J. J. Greenburg, Morris Building, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 69x240 feet, slag roof, vacuum heat electric light metal lath, tile and marble work, hollow metal sash, galvanized iron skylights, fire doors, floor hardener, ornamental iron work, iron pipe, area gratings, dumb waiters, plumbing, sprinkler system, wall finish, cast stone, architectural terra cotta, waterproofing, safety treads, elevators, cement work hollow tile. Contract awarded White Const. Co., Jefferson Building, Philadelphia.

Service Stations (2), Kensington and Luzerne, Forty-fifth and Lancaster avenue. Architect, Engineering Department, Chicago, Ill. Owners, Pure Oil Co., Chicago, Ill. Brick, hollow tile, stucco, 1 story, 13x20 feet, 11x18 feet, shingle tile roof, cement floors, plumbing, electric light, metal lath, bond, iron pipe. Contract awarded Collins Const. Co., 1501 Arch street, Philadelphia.

Store and Apartment (alts. and add.), 1708 Walnut street, Philadelphia. Architect, Edward Stopper, 10 South Eighteenth street, Philadelphia. Owner, Jacques Ferber, 1727 Walnut street, Philadelphia. Concrete cement work, cut stone, structural steel, iron work and stairs, ornamental bronze work, carpentry and mill work, hardware, plastering, painting, glazing, marble and tile work, plumbing, electric work, bond, brick work (heating oil burner reserved). Contract awarded J. L. Fawley, 1615 Spruce street, Philadelphia.

Auto Shop, 4716-20 North Broad street, Philadelphia. Architect, Paul Livingston Boyd, 6943 Limekiln pike, Philadelphia. Owners, Fidelity Auto Shop, 4316 North Broad street, Philadelphia. Contract awarded J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia.

Garage, Southeast Corner Second and Tioga streets, \$50,000. Architect, H. H. Kline, Bulletin Building, Philadelphia. Owner, N. Glanzburg, 1207 Georges Lane, Philadelphia. Brick, reinforced concrete, 2 stories, 100-car capacity, steam heat. Contract awarded S. Goldberg, 2446 South Ninth street, Philadelphia.

Residence, Henry road,, South of Warden

lane, Philadelphia. Architect, R. W. McCaskey, Otis Building, Philadelphia. Owner, Earl C. Cookman, care of architect. Stone, 2½ stories and basement, 27x40 feet, wing 21x24 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded W. J. Gruhler Co., 219 High street, Germantown, Philadelphia.

Toilet and Locker House, Hunting Park, Philadelphia. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Fairmount Park Commission, A. Corson, Philadelphia. Brick, cut stone, reinforced concrete, 2 stories and basement, 62x32 feet, slate roof, plumbing, electric metal lath, marble work, metal lockers. Contract awarded West Philadelphia Const. Co., 601 North Sixty-sixth street, Philadelphia.

Factory Building, Southwest Corner Rubican and Collins streets, Philadelphia. Architect, R. M. Dippy, Medical Arts Building, Philadelphia. Owner, N. Neuman, care of Paragon Knitting Mills, 3907 Powelton avenue. Brick, steel, 2 stories and basement, 170x50 feet, slag roof, pine floors. Contract awarded S. Goldberg, 2446 South Ninth street, Philadelphia.

Bank Building, West side Twelfth street, South of Market street, Philadelphia. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society, 700 Walnut street. Brick, steel, 1 story and basement, 60x130 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded George A. Fuller, Morris Building, Philadelphia.

Theatre, Southwest Corner Sixty-ninth and Elmwood avenue, Philadelphia. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Green & Altman, Heyman Building, Philadelphia. Brick, 1 story. Plans in progress. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Garage, West side of Sixteenth street, North of Allegheny avenue, Philadelphia, \$24,000. Architect, private plans. Owner, William Watt, 1504 Locust street, Philadelphia. Brick, 1 story, 50x200 feet, slag roof, cement floors, electric work. Contract awarded to Northern Const. Co., 5302 North Fifth street, Philadelphia.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Tank, Southeast Corner Fifty-sixth and Lancaster avenue, Philadelphia, \$5,300. Architect, private plans. Owners, C. W. Poulson & Sons, Fifty-sixth and Lancaster avenue, Philadelphia. Contract awarded to Chicago B. & I. Co., 30 Church street, New York.

Garage, 1327 North Marston street, Philadelphia, \$5,800. Architect, private plans. Owners, Turner & Westcott, 3029 Chestnut street, Philadelphia. Brick, slag roof, cement floors, electric light. Contract awarded to William Ferguson & Sons, 405 South Twenty-first street, Philadelphia.

Residence, 2848 East Thompson street, Philadelphia, \$5,500. Architect, private plans. Owner, Francisco Zarmini, 2848 East Thompson street, Philadelphia. Brick, 2 stories, 16 feet 9 inches x 43 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to C. Di Poliverin, 347 North Sixty-fourth street, Philadelphia.

Residence (alts.), 1606 West Poplar street, Philadelphia, \$4,000. Owners, Iona Building and Loan Association, Bailey and Oxford streets, Philadelphia. General alterations. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street, Philadelphia.

Rest Room, 126 South Thirtieth street, Philadelphia, \$3,000. Owners, Bridgman Brothers, on premises. Brick, 1 story, 10x14 feet. Contract awarded to Franklin M. Harris & Co., 1520 Parrish street.

Residence (alts.), 1816 Delancey street, Philadelphia, \$14,900. Owner, Arthur B. Huey, on premises. General alterations. Contract awarded to John N. Gill Const. Co., 121 North Broad street, Philadelphia.

Store and Residence, 811 South Eighth street, Philadelphia, \$8,000. Architect, private plans. Owner, Antonio Di Vita, 2144 South street, Philadelphia. Brick, 3 stories, 18x27 feet, 15x28 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Frank Demarco, 2012 South Sixteenth street, Philadelphia.

Residence, 2443 Duncan street, Philadelphia, \$4,500. Architect, private plans. Owner, B. Nuniotka, 2400 Duncan street, Philadelphia. Brick, 2 stories, 16x40 feet, 16x10 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Felix Tatko, 5103 Tulip street, Philadelphia.

Shop, Northwest Corner Howell and Delaware River, Philadelphia, \$2,000. Owners, Hellwig Silk Dyeing Co., on premises. Brick, 1 story, 32x24 feet. Contract awarded to Hunsberger, Inc., 4510 North Eighth street, Philadelphia.

Store, 4854 Woodland avenue, Philadelphia, \$2,000. Owner, James McLaughlin, Atlantic City, N. J. Brick, 1 story, 20x21 feet, slag roof, pine floors, electric light. Contract awarded to Moorhouse & Eves, Media, Pa.

Hotel (alts.), Broad and Walnut streets, Philadelphia, \$100,000. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Bellevue-Stratford Hotel, on premises. General remodeling, electric work, elevators, refrigerator, etc. Contract awarded to Wark Co., 1600 Walnut street, Philadelphia.

Residence (alts.), 7924-26 Frankford avenue, Philadelphia, \$4,000. Architect, private plans. Owners, Mrs. K. Castor, Holmesburg Trust Co., 8031 Frankford avenue. General al-

terations. Contract awarded to J. A. Hand, 3313 Rhawn street, Philadelphia.

Residence, South side Convent lane, East of Cottage street, Philadelphia, \$4,000. Architect, private plans. Owner, James C. Gilbert, care of builder. Frame, 1 story, 26x20 feet, pine floors, electric light. Contract awarded to J. A. Hand, 3313 Rhawn street, Philadelphia.

Bank (alts.), Southeast Corner Seventh and Walnut streets, Philadelphia, \$10,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Philadelphia Saving Fund Society, on premises. General alterations. Contract awarded to George S. Fuller, Morris Building, Philadelphia.

Residence (add. and alts.), 4700 Springfield avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Dorothy M. Barnett, 1633 South Fifty-ninth street, Philadelphia. Brick, 1 story add., 25x24 feet, general alterations. Contract awarded to Charles S. Barnett, 1633 South Fifty-ninth street, Philadelphia.

Store and Storage Building (add.), 114 South Thirteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, S. Kolinsky, 114 South Thirteenth street, Philadelphia. General alterations. Contract awarded to Weiss Const. Co., 901 Walnut street, Philadelphia.

Residence, 5042 Charles street, Philadelphia, \$2,700. Architect, private plans. Owner, Laura E. Conklin, 5103 Darrah street, Philadelphia. Brick, 2 stories, 16x32 feet, pine floors, slag roof, electric work. Contract awarded to Joseph G. Conklin, 5103 Darrah street, Philadelphia.

Apartment House, East side Forty-seventh street, South of Brown, Philadelphia, \$48,000. Owners, Green & Weintraub, 916 North Sixth street, Philadelphia. Brick, 4 stories, 44x97 feet, slag roof, hardwood and pine floors, electric light, tile work. Contract awarded to Samuel L. Green, 916 North Sixteenth street, Philadelphia.

Residence, 6607 Lawnton street, Philadelphia, \$12,000. Architect, private plans. Owner, S. A. Robb, 6607 North Twelfth street, Oak Lane, Philadelphia, Pa. Stone, 3 stories, 40x28 feet 4 inches, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Hamilton Const. Co., Germantown, Philadelphia.

Residence, East side Rowland street, North of Rhawn street, Philadelphia, \$9,000. Architect, private plans. Owner, Lawrence R. Young, 8907 Frankford avenue, Philadelphia. Brick, 2 stories, 28x36 feet, 13x9 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Holmesburg Const. Co., Holmesburg, Philadelphia, Pa.

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.

INSTALLS ON THE ROOF OF ITS NEW
BUILDING

15TH AND WALNUT STREETS

HOOD'S PYRO-TYNT

PROMENADE TILE

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY

B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

FLOORING

Selbalith Composition

Selbatex Mastic

Tile-Tex Mastic Tile

Lether Tyle

Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—

laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

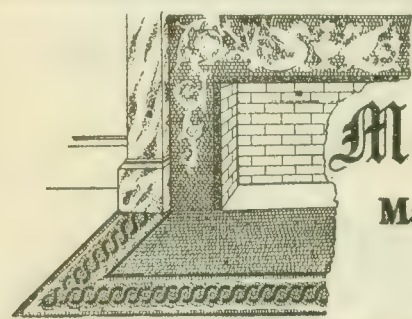
THERE IS ONLY ONE IN-A-
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex lool

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.

16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

BEDS

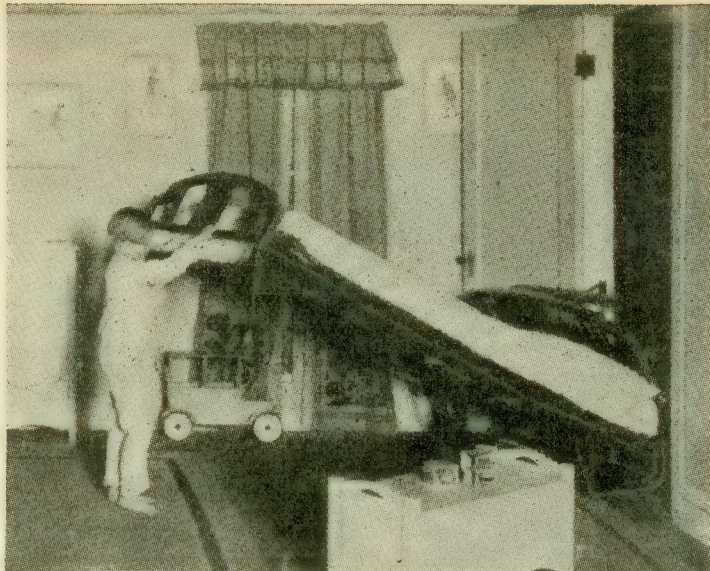
omes
rings

call at our
lain kitchen
g boards as
Beds

D CO.

ey Building
t 44th Street
ew York

R BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

ecks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
ke masonry.



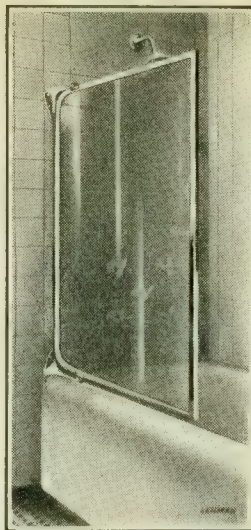
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Gas Station, Southeast Corner Thirty-third and Diamond streets, Philadelphia, \$8,000. Architect, private plans. Owner, A. Liebowitz, 1112 Franklin Building, Philadelphia. Brick, 1 story, 14x14 feet. Contract awarded to E. C. Haldeman, 5907 North Twelfth street, Philadelphia.

Residence, Southeast Corner Hegerman and Vincent streets, Philadelphia, \$6,000. Architect, private plans. Owner, Luigi Checchia, Frankford and Longshore streets, Philadelphia. Brick, 2 stories, 16x52 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Holmesburg Concrete Co., Welsh road and Crispin street.

Residence, South side Bridge street, West of Richmond street, Philadelphia, \$4,500. Architect, private plans. Owner, Frank Kay, 2724 Bridge street, Philadelphia. Brick, 2 stories, 14x32 feet, 11x10 feet, hot water heat, electric work. Contract awarded to C. Lakovitz, 4575 Torresdale avenue, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, City Hall, Philadelphia. Grading and sodding, etc., Northeast Sewage Disposal Plant, George Dobbins, 1020 South Forty-seventh street, Philadelphia, \$17,578.75. Elevated-subway station, S. W. T. Works, W. V. Pangborne & Co., 1927 West Montgomery avenue, Philadelphia, \$7,264. Main Sewer, Tioga, Salmon and Schiller, W. H. Yetman, Lincoln Building, Philadelphia. G street and Luzerne street, McIntyre Const. Co., Philadelphia, \$16,807.88. Mantua and Parrish streets, Municipal Paving Co., 702 Catherine street, Philadelphia, \$10,442.05. Water Bureau casting, U. S. C. I. Foundry Co., Morris Building, Philadelphia, \$8,601.25. Shawmont P. S.

Floor, Acme Machine Co., 316 North Seventeenth street, Philadelphia, \$12,200.

Residence (alts.), 5002 Pine street, Philadelphia, \$3,000. Owner, A. Anthony, 5002 Pine street, Philadelphia. General alterations. Contract awarded to John H. Ferguson, 4922 Cedar avenue, Philadelphia.

Sunday School Building and Garage, Tyson and Glenlock Streets, Philadelphia. Architect, Samuel D. Milner, 4616 Frankford Avenue, Philadelphia. Owner, Disston Memorial Presbyterian Church, on premises. Stone, cast stone, brick, 2 stories and basement, 118x50 feet, slate roof, cement and pine floors, plumbing, flagstone, wall finish, area gratings (ornamental iron work, steel casement, windows, copper skylights, electric light, metal lath. Contract awarded Roy Randall, Jenkintown, Pa., (not signed).

Building (alts. and add.), Schuylkill, Taney, Catherine and Webster, Phila. Owner, Phila. Rapid Transit Co., 8th and Dauphin Sts., Phila. Bond, brickwork, stonework, hollow tile, reinforced concrete work, concrete floors, waterproofing, electric work, hardware, linoleum, metal lath, plastering, metal partitions, iron and steel, iron stairs, safety treads, painting and glazing, steel sash, fire doors, rolled steel doors, plumbing, iron pipe. Contract awarded H. E. Beaton, 1713 Sansom Street, Phila.

Stores and Auto Service Building, Germantown Avenue and Bethlehem Pike. Architects, The Ballinger Co., 12th and Chestnut Streets, Phila. Owner, Felt Brothers, Packard Building, Philadelphia. Brick, cast stone, reinforced concrete, steel cut stone, 1 story and basement, 164x124 feet, slag roof, steam heat, electric light, metal lath, hollow tile, plumbing, metal ceilings, waterproofing, cast stone, brass pipe, ornamental iron work, sprinkler system, steel partitions, rolled steel shutter, rolled steel sash and skylights, metal lath, electric light. Contract awarded Haverstick & Borthwick, Schaff Building, Phila., not signed.

Alterations and Additions, 18 and 20 S. Mole Street, Philadelphia. Architect, private plans. Owner, W. E. Wagner, 11 S. Mole St., Phila. Steel beams, electric work, brickwork, plastering, carpentry work, plate glass. Contract awarded Haverstick & Borthwick, Schaff Bldg., Phila.

Settlement and Day Nursery Building (add. and alts.), 224 S. 3rd Street, Philadelphia, \$50,000. Architect, Property Dept. V. R. Post, 120 W. 14th Street, New York. Owners, Salvation Army, W. Bramwell Booth, 124 W. 14th Street, New York. Brickwork, concrete work, plastering, metal lath, tile and marble, steel work, carpentry, millwork, painting, steam heat, electric light, magnesite floors, solarium work, hardware, steel stairs, Barrett roof, waterproofing, skylights, maple and pine floors.

Contract awarded to F. L. Hoover & Son, 1023 Cherry Street, Philadelphia.

Residence and Garage, Mt. Pleasant Road, West of Green Street, Chestnut Hill. Architect, private plans. Owner, Mrs. Albert Moore, 7100 McCallum Street, Philadelphia. Stone, 2½ stories and basement, 43x30; 14x24 feet, slate roof, oak and pine and cement floors, plumbing, hot water heat, electric light, metal lath, tile, ornamental iron, wrought iron pipe, bluestone. Contract awarded to Samuel Harting & Son, 20 E. Johnson St., Phila.

Residence, N. Side Borbeck Street, E. of Barnes Street, Philadelphia, \$15,000. Owner, Mabel J. Yerkes, Fox Chase, Philadelphia. Frame, 3 stories, 26 feet 6 inches by 47 feet, hardwood and pine floors, tile work, electric light. Contract awarded to Harold Stout, Cheltenham, Pa.

Garage, S. W. Corner Sharp and Haines Streets, Philadelphia, \$6,000. Architect, private plans. Owner, Anthony Bardzienski, 100 Dawson Street, Philadelphia. Brick, 1 story, 18x87 feet, slag roof, cement floors, electric work. Contract awarded to A. Sieminski, 1633 Ruffner Street, Philadelphia.

Residence (add.), S. E. Corner 84th and Eastwick Avenue, Philadelphia, \$2,000. Owner, Jos. Sandberg, on premises. Brick, 1 story addition, 16x20 feet. Contract awarded to C. D. Rutt, 8802 Eastwick Avenue, Philadelphia.

Pennsylvania Construction News

Theatre, Powell Road and Saxer Avenue, Springfield, Pa., \$250,000. Architect, Leon Vade dePaysegur, Miami, Fla. Owner, E. T. Bartlett, Pres., Springfield National Bank, Springfield, Pa. Seating capacity, 1,000. Plans in progress. Owner will build.

Stores (9) Apartments (31), Powell Road, Springfield, Pa., \$100,000. Architect, W. A. Hall, Upper Darby, Pa. Owner E. T. Bartlett, President, Springfield National Bank, Springfield, Pa. Brick, steel, concrete, limestone, 2 stories. Owner will build. Work to start in one week.

Furnish and Installing Electric Refrigeration, Prison Kitchen. Electric refrigeration cabinet in Warden's Quarters. Owner, Montgomery County Prison, H. B. Tyson, Purchasing Comm. Specifications on file in Warden's office. Owner taking bids due May 12th at noon.

Junior and Senior High School, Essex and Highland avenues, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lansdowne School Board, Lansdowne, Pa. Stone, 2 stories. Tentative plans drawn.

Sunday School, Pottstown, Pa. Architects, Albert N. Dobbins, H. Cain, 1718 Cherry street, Philadelphia. Owners, First Methodist Episcopal Church, Pottstown, Pa. Stone, cin-

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

der block, 2 stories, 30x65 feet, 1 story, 30x63 feet. Plans in progress.

Residence (add.), Cedar avenue, Elkins Park, Pa. Architect, George S. Idell, 1705 Chestnut street, Philadelphia. Owner, J. Labe, Jr., on premises. Brick, timber, 15x20 feet, slate roof. Preliminary plans in progress.

Laundry Building, Coatesville, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Coatesville Hospital, Coatesville, Pa. New plans will be drawn.

School (add. and alts.), Prince street, Lancaster, Pa., \$75,000. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, School District of Lancaster, I. Coulter, secretary, Prince and Chestnut streets, Lancaster, Pa. Brick, steel, 2 stories, 40x70 feet. Preliminary plans in progress.

School, North Wales, Pa. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Board of Education, North Wales, Pa. All bids rejected. Revised plans in progress.

Bank, Selinsgrove, Pa., \$70,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Farmers' National Bank, Selinsgrove, Pa. Architects selected. Too early for details.

Junior High School (add.), West End, Lancaster, Pa., \$500,000. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Fireproof. Architects selected.

Junior High School (add.), East End, Lancaster, Pa., \$500,000. **Grade School**, Lancaster, Pa., \$150,000. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Architect selected.

High School, East Lampeter Township, Lancaster County, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, East Lampeter School Board, Mr. Heller, secretary, Lampeter, Pa. Brick, steel, 1 story, 150x80 feet, composition roof, maple floors, steam heat, electric light (heating, plumbing and electric separate). Bond. Architect will be ready for bids at end of week.

Sunday School (add.), York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Grace Evangelical Church, Rev. M. A. Kennelley, 39 Broad street, York, Pa. Brick, 1 story, balcony and basement, 54x67 feet, composition roof, maple floors, electric light, skylights. Architects will take bids next week.

Service Station, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Blue Seal Oil Co., Reading, Pa. Stone, limestone, concrete block, stucco, 1 story, 20x24 feet, slag roof, concrete floors, hot water heat, electric light. Owners will take sub-bids.

Store, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Croll & Keck, 630 Penn Street, Reading, Pa. Steel, fireproof, 4 stories and basement, 30x270 feet, 30x180 feet, cement floors, hollow tile, elevators, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, vault lights, fire doors, steel sash, skylights, tile and marble, metal lath, steam heat, electric light. Architect ready for bids.

School (grade), Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, School District, City of Reading, George Beggs, Administration Building, Reading, Pa. Brick, concrete, 2 stories and basement, 230x208 feet, composition roof, maple floors, hollow tile, safety treads, steel sash, tile work. Plans in progress. Will be ready for bids in about one month.

Garage, 40 South Ninth street, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, H. A. Spatz, 108 Plum street, Reading, Pa. Brick, steel, 2 stories, 40x142 feet, slag roof, concrete and wood floors, roof ventilators, steam heat, electric light, steel sash, fire doors. Plans in progress.

School, Steelton, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, St. Mary's Roman Catholic Church, Steelton, Pa. Brick, steel, 2 stories, 56x104 feet, maple floors, safety treads, roof ventilators, steam heat, electric light. Architect taking bids.

High School, Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 2 stories, 26 rooms, gymnasium and auditorium, Barrett roof, pine floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, fire doors, steel sash, metal lath (heating, plumbing and electric separate). Owners will be ready for bids at end of week.

Grade School, Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 2 stories, 12 rooms (heating, plumbing and electric separate). Owners will be ready for bids at end of week.

School (add.), Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 1 story, 2 rooms (heating, plumbing and electric separate). Owners will be ready for bids at end of week.

Twin Residence, Louella avenue, Wayne, Pa. Architect, Charles M. Wells, Rutledge, Pa. Owners, Lownes & Hale, Gladwyne, Pa. Cement block, frame, 2½ stories, 28x48 feet, shingle roof, hardwood floors, cement work, garages in basement, hot water heat, electric light, metal lath. Owners will build and will be ready for sub-bids.

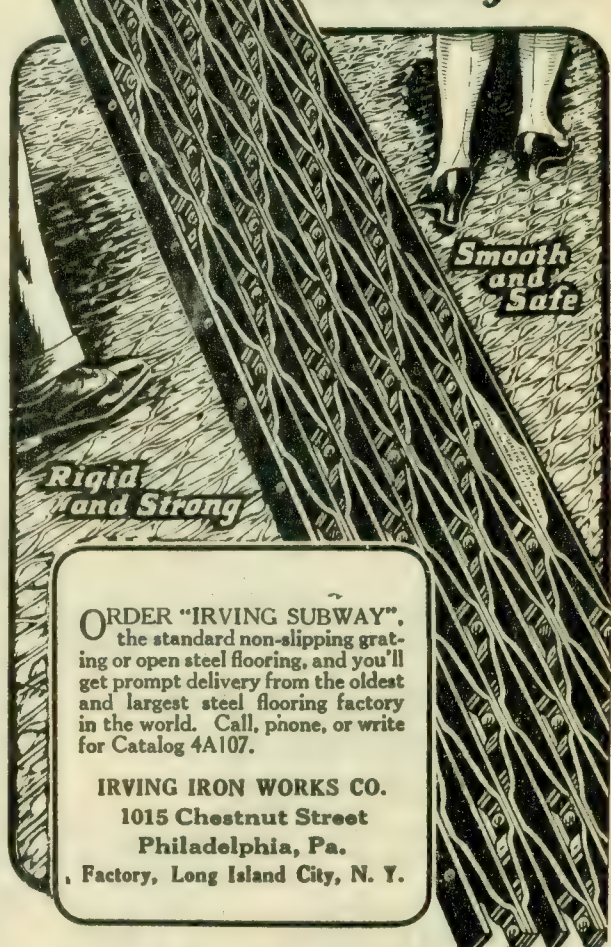
Wagon Building, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Ziegler Dairy Co., Third and Washington streets, Reading, Pa. Cinder block, 1

story, 40x92 feet, composition roof, concrete and tarvia floors, electric light, steel sash. Architect ready for bids.

School and Convent, Newtown, Bucks County, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, D. Cardinal Dougherty, care of Rev. J. T. Brady, Newtown, Pa. Brick, 1 and 2 stories, 58x28 feet, 30x45 feet, slate or slag roof, pine floors, hot water heat, electric light. Architect will be ready for bids at end of week.

Auditorium, Tamaqua, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Saints Peter and Paul Church, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Brick, steel, 2 sto-

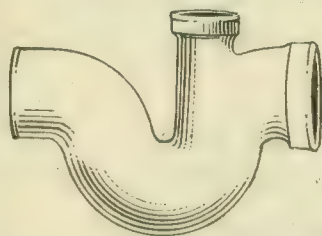
*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**



**When you want Prompt Service, Intelligent Co-operation and Reliable
SEWER PIPE, FLUE LINING, WALL COPING**
CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

ries, 94x43 feet, composition roof, yellow pine floors, roof ventilators, waterproofing, iron stairs, skylights, steel sash, steam heat, electric light. Architect will be ready for bids at end of week.

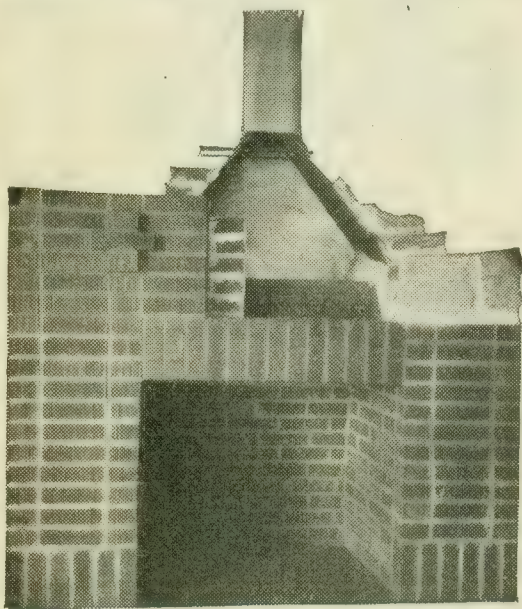
High School, Birdsboro, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Birdsboro School District, W. K. Young, secretary, Birdsboro, Pa. Fireproof, steel, 2 stories, hollow tile, safety treads, metal lath (heating, plumbing and electric separate). Architects selected. Will be ready for bids in two weeks.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel
FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 2467 W

WM. N. BLACKBURN
317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

Dormitory, Elizabethtown, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Thomas Ranken Patton Masonic Institution, Elizabethtown, Pa. Brick, stone, steel, 3 stories, 75x54 feet, slate roof, linoleum floors, hollow tile, waterproofing, cut stone, ornamental iron, iron stairs, kalamein doors, steel sash, tile work (heating, plumbing, electric separate). Architects taking bids due May 14th.

Hospital, Park avenue, between Tenth and Eleventh streets, Quakertown, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Quakertown Hospital Association, H. G. Kittleman, Quakertown, Pa. Brick, hollow tile, architectural terra cotta, reinforced concrete, steel and iron work, steel sash, kalamein doors, metal partitions, 4 stories, 114x34 feet, marble, tile and terrazzo work, waterproofing, bond, granite, cast stone, cement floors, slag roof, copper skylights, iron stairs. Architects taking bids due May 17th before 11 A. M.

Shop, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Lancaster Advertising Poster Co., care of architect. Brick, steel, 1 and 2 stories, 50x150 feet, composition roof, gum floors, steel sash, skylights (heating, plumbing and electric reserved). Architect taking bids due May 14th.

Bank, Wilkes-Barre, Pa. Architect, W. L. Stoddard, 50 East Forty-first street, New York City, N. Y. Owners, Miners' Bank, Wilkes-Barre, Pa. Architect taking bids due May 18th, 3 P. M.

School Building, Conshohocken, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Parish of St. Mary's Church, Rev. J. S. Miceuszewski, Conshohocken, Pa. Stone, brick, 3 stories, 66x28 feet. Architect taking bids due May 12th.

Convent (add.), New Normal School, Cornwells Heights, Pa. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Elizabeth's Convent, Sisters of the Blessed Sacrament, Cornwells Heights, Pa. Reinforced concrete, cut stone, brick, stone, steel, granite, 3 stories and basement, 3 stories and basement, 77x46 feet, 123x90 feet, asphalt built-up and tile roof, composition, cement

and oak floors, roof ventilators, metal weather strip, dampproofing, ornamental iron work, cinder concrete block, metal partitions, rubberstone floors, linoleum, iron stairs, floor hardener, bond, kalamein and hollow metal doors, rolled steel skylights, tile, marble and terrazzo work, metal lath. Architect taking bids due May 16th at noon.

Miscellaneous Work, State Industrial Home for Women, Muncy, Pa. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, State Industrial Home, care of F. Smith, 656 City Hall, Philadelphia. Construction of trench, furnish and lay pipe, approximately 90 feet, 4-inch C. I. pipe, 250 feet 6-inch T. C. sewer pipe, 50 feet 4-inch wood duct, 100 feet 4-inch wood duct for electric wire, grading and paving. Owners taking bids due May 23rd at noon.

Water Pipe and Fittings, Montgomery County, Pa. Owners, Director of the Poor, M. L. Horn, R. D., Royersford, Pa. Water pipe, various sizes, fittings. Owners taking bids due May 12th, 10 A. M. (Daylight Saving Time).

Pennsylvania Contracts Awarded

Residences (2) Garage (1), Cynwyd, Po. Architect, Frank Seeburger, 1524 Chestnut Street. Owner, Herbert J. Tilly, care of architect. Stone, frame, 2½ stories and basement, 25x60 each, shingle roof, oak and pine floors, metal lath, tile, ornamental iron (plumbing, heating, electric reserved). Contract awarded J. E. Kearney, Wynnewood, Pa.

Dormitory (add.), Immaculata, Frazier, Chester County, Pa. Architect, Paul A. Monaghan, 1520 Locust street, Philadelphia. Owners, Villa Maria College, Rt. Rev. M. Loyola, on premises. Stone, granite, Green River limestone, brick, steel, 4 stories and basement, 204x45 feet, tile and slag roof, cement, oak and pine floors (plumbing, heating, electric and elevators reserved), cement work, hollow tile, metal weather strip, Anti-Hydro membrane and integral waterproofing, fire hose, cabinets, reinforced concrete, area gratings, ornamental iron work, casement windows, iron stairs, floor hardener, fire vault, hollow metal doors and sash, tile, marble and terrazzo work, metal lath, brass work, tin-clad fire doors, kalamein and bronze windows, bronze work, slate work, caulking, medicine cabinets. Contract awarded McCloskey, 1620 Thompson street, Philadelphia.

Residence (alts. and add.), Narberth, Pa. Owner, H. L. Woehling, care of Mack International Truck Co., Forty-second and Woodland avenue, Philadelphia. Stone, frame, 2½ stories and basement, 12x20 feet, shingle roof, oak and pine floors, electric light, hot water heat, tile work, metal lath, ornamental iron work. Contract awarded Nelson-Pedley Construction Co., Corn Exchange Building, Philadelphia.

Training School for Teachers, Cheyney, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Cheyney Training School, Cheyney, Pa. Stone, limestone, steel, 2½ stories and basement, 36x95 feet (plumbing, heating, electric reserved), slate roof, oak, pine and cement floors, flagstone, ornamental iron work, tile and marble work, metal lath. Contract awarded Gorman &

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Frank, 6912 Market street, Philadelphia.

Lodge Building, 306 High street, Pottstown, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Pottstown Aerie of Eagles, 264 High street, Pottstown, Pa. Brick, stone, steel, 3 stories and basement, 51x150 feet, composition roof, composition and hardwood floors, freight elevators, roof ventilators, ornamental iron, iron stairs, bond, skylights, tile and marble, metal lath, electric work (heating reserved). Contract awarded to William H. Wiand, Pottstown, Pa., \$156,080. Heating and ventilating, Corbit Brothers, Reading, Pa., \$14,800.

Store, Lancaster, Pa. Architect, private plans. Owners, United Cigar Co., 44 West Eighteenth street, New York. Brick, steel, 2 stories, 80x60 feet, hardwood floors, electric work, plate glass. Contract awarded to Walter Zook, 145 North Concord street, Lancaster, Pa.

Factory (add.), Harrisburg, Pa. Engineers, William Steele & Son, Fifteenth and Cherry streets, Philadelphia. Owners, Keystone Chocolate Co., Harrisburg, Pa. Brick, steel, concrete. Contract awarded W. E. Bushey, Lemoyne, Pa.

Convent (alts. and add.), Lebanon, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Mary's Convent, Lebanon, Pa. Brick, 3 stories, 40x60 feet, slate roof, maple floors, hot water heat, electric light. Contract awarded J. H. Griener & Co., Lebanon, Pa.

Theatre, Stores (11) and Offices, Darby, Pa. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Green & Altman, Heyman Building, Philadelphia. Brick, 1 and 2 stories. Plans in progress. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Hotel and Apartment, Reading, Pa. Architect, G. D. Sell, 118 Cedar street, Reading, Pa. Owner, F. Froczak, 153 North Tenth street, Reading, Pa. Brick, steel, 3 stories, 20x100 feet, composition roof, tile and marble, electric. Contract awarded to Oscar Degler, 1041A Walnut street, Reading, Pa.

Residences and Garages (5), Merion Golf Manor, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, William H. Wilson & Co., 1617 Walnut street, Philadelphia. Stone, brick, 2½ stories and basement, 63x77 feet, 65x30 feet, 76x28 feet, 65x35 feet (plumbing, heat, electric reserved), shingle roof, oak and pine, cement floors, hollow tile, flagstone, ornamental iron work, metal lath, tile work. Contract awarded: Residences (2) to F. G. English & Son, 1806 North Carlisle street; residence (2), to J. E. Kearney, Wynnewood, Pa.

Printing Plant (alts. and add.), Selinsgrove, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Selinsgrove Times, Selinsgrove, Pa. Brick, hollow tile, 2 stories, 20x80 feet, electric light, face tile, electric light (heating, plumbing reserved). Contract awarded to J. C. Snyder, Selinsgrove, Pa.

High School, Bloomfield, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, New Bloomfield School Board, Charles Darlington, secretary, Bloomfield, Pa. Brick, 1 story, 40x100 feet, composition roof, hollow tile, rolled steel sash (heating, plumbing and electric separate). Contract awarded to Hampton Snyder, New Bloomfield, Pa.

Factory, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Nuss Brothers, care of architect. Brick, cinder block, steel, 2 stories, 75x25 feet, composition roof, wood and concrete floors, electric light, steel sash, fire doors, iron stairs. Contract awarded to C. W. Strayer, Sixth and Division streets, Harrisburg, Pa.

Dormitory, Huntingdon, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, Juniata College, Huntingdon, Pa. Stone, brick, 3 stories and basement, 39x93 feet, 59x40 feet, slate roof, maple floors. Contract awarded Berhebile Brothers, Johnstown, Pa.

School, Pottstown, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, Board of Education, F. C. E. Muhlhouse, secretary, Pottstown, Pa. Fireproof, 2 stories, 12 rooms, composition roof and concrete floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, metal lath, tile, steel sash, fire doors, bond, iron stairs, iron work. Contract awarded to F. H. Keiser & Co., Pottstown, Pa.

Pennsylvania State Highway Work, Clarion County, R-311, A-4277, Perry Township. One course reinforced concrete. Contract awarded to A. R. Cooper, New Florence, \$46,627.60. Contract No. 4, 36-inch C. I. force main, Chester, Pa. Owners, City of Chester, G. J. Hunter, Chester, Pa. Contract awarded Pennsylvania Engr. & Const. Co., Real Estate Trust Building, Philadelphia.

Paving, Third street, Sixth street, Green street, Marcus Hook, Pa. Owners, Borough of Marcus Hook, Pa. Contract awarded F. Lovett, Newark, Del.

New Jersey Construction News

Theatre, Bellevue avenue, Hammonton, N. J. Owners, care of Samuel Bank, Bank Brothers, Atlantic City, N. J. Seating capacity, 1,800. Work contemplated.

Cottages, Glassboro, N. J. Architects, Guilbert & Betelle, Newark, N. J.; H. Moss, Trenton, N. J. Owners, State Department of Board of Education, Dr. Savitz, Trenton, N. J. Brick, stone. Plans in progress.

Store and Apartment, Oak and Pacific avenues, Wildwood, N. J. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 3 stories. Plans in progress.

Bank, Riverton, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cinnaminson Bank, Riverton, N. J. (Alexander Marcey, president). Plans in progress.

Residence, Princeton, N. J. Architects, W. W. Slaek & Son, Trenton Trust Building, Trenton, N. J. Owner, Carl Bigelow, care of architects. Brick, stucco, 2½ stories, 30x120 feet, slate roof, hardwood floors, electric light, tile work. Plans in progress.

Service Building, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, care of W. Schulte, 446 Bellevue avenue, Trenton. Brick, 2 stories, 58x74 feet, composition roof. Architects taking bids.

Theatre and Office Building, East side Hanover street, between North Warren and Chancery lane, Trenton, N. J. Architects, Eugene De Rosa, Inc., 16 West Forty-fourth street, New York. Owners, Hirschfeld & Hildinger, care of architects. Architects taking bids due May 19th.

Store and Apartment, 1428 Atlantic avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic Delicatessen Co., 1328 Atlantic avenue, Atlantic City, N. J. Fireproof, 2 stories and basement, slag roof, concrete floors. Architect taking bids.

Parochial School, Pleasantville, N. J. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Peters Roman Catholic Church, Dr. F. J. McCallion, Pleasantville, N. J. Brick, steel, 3 stories, 127x80 feet, slag

roof, maple and pine and cement floors, steam heat, electric light, metal lath, bond, ornamental iron work. Architect taking bids due May 13th at noon.

Street Paving, Camden, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Delaware Township Commissioners, M. Wermuth, Ellensburg, Pa. Bond, 100 per cent. Certified check, 10 per cent. Deposit, \$10, refund \$5. Owners taking bids due May 9th, 8 P. M. (Daylight Saving Time). Approximately 4,530 square yards concrete paving, 970 square yards concrete paving, 100 lineal feet concrete curbs, 112 lineal feet radius curbs, 2,290 cubic yards excavation, 480 square feet concrete sidewalks.

Pennsylvania Railroad, C. E. Walsh, purchasing agent, 15 North Thirty-second street, Philadelphia. Contract No. 51, rubber insulated wire and cable and H. D. copper wire. Owners taking bids due May 19th at noon (Standard Time).

Paving, Barrington, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Borough of Barrington, H. J. Stove, Barrington, N. J. Certified check, \$250. Owners taking bids due May 12th, 8 P. M. (Daylight Saving Time). 5000 lineal feet curb and gutter combined, 2,440 square feet sidewalks, 450 cubic yards excavation, 20 trees to be removed.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Owners taking bids due May 16th, at 11 A. M. (Eastern Standard Time). Certified check, 10 per cent. Deposit, \$10.

Pennington-Woodville road, State Highway Route 30, Revision of 1927, Mercer County. Earth excavation, rock excavation, 8-inch double line reinforced concrete pavement, (4) small span bridges.

Woodville-Ringoes road (State Highway Route 30, Revision of 1927), Hunterdon County. Earth excavation, rock excavation, borrow, 8-inch double line reinforced concrete pavement, (5) small span bridges.

Embankment and Abutment, Section No. 14-B, Route 1 Extension, Contract No. 6, Newark, N. J. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Fill for embankment, concrete. Deposit, \$50. Certified check, \$25,000. Owners taking bids due May 23rd at 11 A. M. (Eastern Standard Time).

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 7, Section 8, Lakewood to Aldrich road, Monmouth and Ocean Counties. Excavation, double line reinforced concrete pavement, gravel surface, (1) 45-foot span bridge. Certified check, 10 per cent. Deposit, \$10. Owners taking bids due May 23rd, at 11 A. M. (Eastern Standard Time).

Miscellaneous Work, various schools, Camden, N. J. Owners, Board of Education, M. Wessel, Camden, N. J. Owners taking bids due May 24th, 2 P. M. (Daylight Saving Time). Cement sidewalks, curbing, school yard, cellar floors. Certified check, \$25.

New Jersey Contracts Awarded

Pavilion and Comfort Station, Beach Haven, N. J. Architect, private plans. Owner, Borough Council, Beach Haven, N. J. Reinforced concrete and cement work, electric light and plumbing. Contract awarded Floyd Cramer, Beach Haven, N. J.

Auto Supply Station, Twenty-first and Federal streets, Marlton Pike, Camden, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, W. A.

Jarden, Fifty-fifth and Lancaster avenue, Philadelphia. Brick, cut stone, granite, reinforced concrete, steel, 1 story and basement, 38x50 feet, slag roof, composition, cement and pine floors, metal windows and grills, metal ceilings, dampproofing, ornamental terra cotta, ornamental iron work, metal bulks, bond, tin-clad doors, metal lath, steam heat, electric, concrete footings, bluestone, wrought iron pipe. Contract awarded D. Lutz & Co., Twenty-third and Chestnut streets, Philadelphia.

Warehouse and Garage, New White Horse Pike, North of Colt avenue, Camden. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Security Warehouse Co., Broadway and Cooper streets, Camden, N. J. Brick, reinforced concrete, steel, granite, 8 stories and basement, 60x130 feet, slag roof, cement floors, elevator, painting, glazing, architectural terra cotta, ornamental iron work, floor hardener, bond, fire, kalamein and hollow metal doors, rolled steel sash, marble and terrazzo work, steam heat, rolled steel shutters, incinerator, plumbing, metal lath, electric light, metal toilet partitions. Contract awarded Karno Smith Co., Trenton, N. J.

Residence, Overbrook and Edgewood avenues, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, J. Papier, 752 Edgewood avenue, Trenton, N. J. Cinder block, stucco, 1½ stories, 50x56 feet, Spanish tile roof, hardwood floors, electric light, tile work. Contract awarded to Grover Sessler, 18 South La Salle street, Trenton, N. J.

Store and Apartment (add. and alts.), 105 West State street, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, Dr. J. S. Miller, Broad and State streets, Trenton, N. J. Brick, limestone, 3 stories, 25x100 feet, slag roof, hardwood floors, metal ceilings, vapor heat, electric light, tile work. Contract awarded to W. C. Ehret, Trenton Trust Building, Trenton, N. J.

Church and Sunday School (alts. and add.), Pennington, N. J. Architect, G. E. Savage, Witherspoon Building, Philadelphia. Owners, First Presbyterian Church, C. M. Titus, Pennington, N. J. Brick, 2 stories, electric light. Contract awarded J. Ross & Son, Wilkinson Building, Trenton, N. J.

Store and Residence, 1218 Kaighn avenue, Camden, N. J., \$15,500. Architect, Howard E. Hall, 218 Weikel avenue, Merchantville, N. J. Owner, Abe Rosenkrantz, 1220 Kaighn avenue, Camden, N. J. Brick and block, 2 stories, 20x76 feet, slag roof, hot water heat, electric light. Contract awarded to James D. Hill, 122 Woodlawn avenue, Collingswood, N. J.

Building (add.), 245 Spruce street, Camden, N. J., \$3,000. Architect, private plans. Owner, Annantonia Garausa, on premises. Brick, 2 stories, 17x36 feet, slag roof. Contract awarded to Joseph Di Medio, 1105 South Fourth street, Camden, N. J.

Miscellaneous Construction News

Residence and Garage, Winston-Salem, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, George W. Coan, Jr., care of architect. Hollow tile, stucco, 2½ stories, vapor heat, electric light, tile roof, hardwood floors, tile work. Plans in progress. Will be ready for bids in two weeks.

Armory, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, State Armory Commission, W. E. Hoopes, secretary, DuPont Building, Wilmington, Del.

Brick, stone, steel, 1 story, 180x150 feet, composition roof, dumb waiters, cut stone, cast stone, ornamental iron, iron stairs, hollow metal doors, steel sash, tile work (heating, plumbing, electric separate). Owners taking bids due May 18th.

Church, Granogue, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, Talley Mission Chapel, Elwood Evans, Concord pike, Wilmington, Del. Brick, frame, 1 story, shingle roof, pine floors, electric light. Owners ready for bids.

Residence, Westover Hills, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owner, J. H. Hudson, 1513 Delaware avenue, Wilmington, Del. Brick, hollow tile, 3 stories, 30x100 feet, slate roof, hardwood floors, vapor heat, electric light, tile and marble, metal casements, flagstone. Architects taking bids.

Store (alts. and add.), 610-12 Market street, Wilmington, Del., \$15,000. Architect, private plans. Owners, Isaac Silver & Brother, 130 Fifth avenue, Wilmington, Del. Brick, 2 stories, slag roof, general alterations. Owners will build.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids due June 1st at 2 P. M. Deposit, \$2.00. Certified check, 10 per cent.

Contract No. 82, State Road-Wilmington Causeway (widening), 5.245 miles. Excavation, borrow, broken stone base course, cement concrete pavement, premoulded transverse expansion joint, concrete reinforcement, corrugated metal pipe, R. C. pipe, underdrain, concrete gutter, concrete curb, guard rail, shoulder curb, sheet piling.

Contract CS57, Midway-Angola, 6.3 miles. Clearing, grubbing, borrow, excavation, cement concrete pavement, concrete reinforcement, metal pipe, R. C. pipe, wood shoulder curb, timber piling, sheet piling.

Miscellaneous Contracts Awarded

Church, Baltimore, Md. Architect, C. J. Lappley, Harrisburg, Pa. Owners, Walbrook Evangelical Church, Rev. Thompson, Baltimore, Md. Stone, brick, 1 and 2 stories, slag roof, hardwood floors, electric light, tile work, cast stone, casement windows. Contract awarded J. S. Foose, Harrisburg, Pa.

PROGRESS OF BUILDING INDUSTRY DEMANDS ELIMINATION OF WASTE

An Address by CHARLES F. ABBOTT, Executive Director, American Institute of Steel Construction, Inc., 225 Madison Ave., New York City

(Continued from last week)

An ill-advised selection will, however, inevitably result in a waste of the taxpayer's money. The Institute's recently organized staff of Field Engineers has as one of its principal objectives contacts which will enable it to afford expert and disinterested advice concerning the selection and use of materials. Steel will be recommended only when it can properly fulfill the demands which will be made upon it.

The Field Engineers, and the Institute's Department of Architectural Rela-

tions, will also seek to be of service to owners, contractors, engineers, architects, and the students and faculties of the technical schools. The Institute's technical staff will in no sense usurp the functions of the architect and engineer. It will make available the latest data regarding the design and erection of steel, and will leave the execution of the work to those best fitted to perform it.

The structural steel industry is the industry that has made possible the towering steel-frame skyscrapers and the great steel bridges of the present day. It is the industry that will make possible the construction of the 85-story Book Tower in Detroit, the 110-story Larkin Tower in New York, and the 3500-foot steel span over the Hudson River at Fort Lee.

Buildings large enough to shelter the inhabitants of a fair-sized city, and bridges spanning the broadest rivers in the land, have contributed much to the advance of civilization during the thirty-five years that have passed since steel was first used as a building material. The move of the industry towards the elimination of waste is another step towards the advance of civilization and the welfare of the general public.

Waste of any kind is a menace to the public welfare. It is a menace to the industry that permits it, and to all allied with the industry or dependent upon it. In the end the public pays the bills. That part of the payment which represents waste is deducted from the total amount the nation can spend for constructive activities. In the case of the building industry, it is deducted from the amount the nation can spend for new buildings, new bridges, and other structures.

It is estimated that the building program for 1927 will entail an expenditure of \$6,000,000,000. No one can say how much of this will go for waste. It will be a considerable proportion and it will benefit no one. If that proportion, instead of being squandered, could be applied to additional construction, it would benefit us all.

Co-operation between all the elements of the building industry will alone make such an application possible. Co-operation, resulting in a reduction in costs and the promotion of the most effective use of materials, will assure a continuation of that activity in construction upon which the bread and butter of each one of us depends.

Instead of reaching a saturation point we will see greater buildings and bridges than the imagination of our architects and engineers has yet conceived. We will enter upon a Golden Age of buildings the like of which the world has never seen. Our structures will stand as monuments of a civilization that was able to combine sound economic practices with technical skill.

THE COUNTRY HOME

The Influence of the Landscape

BY RAYMOND BROOKS

*Ah yet, ere I descend into the grave,
May I a small house and large garden
have.* —Cowley.

There are, generally speaking, just four kinds of house sites namely, the open country or farm site, the sea shore, the stony country, and the woodland. Usually a plot of country ground, no matter how small, falls into one or another of these four classes. The characteristics of each type have a certain subtle influence over the dweller thereon. Man speaks of the spirit of the woods or the spirit of the hills, meaning the full power of their beauty over himself, and when he goes to dwell among them his dwelling must be worthy of his surroundings and suitable to his needs. A house at best is an unnatural thing set down among fields and trees, and the problem is to make it look at home there. So many houses are built with no relation whatsoever to their location. Not far from where we live there is a miniature castle with battlemented turrets, and all the signs of an expected siege. It is surrounded by corn fields and farm houses, a strange location considering the quarrelsome nature of its architecture. A high house designed for the restricted space of a city lot looks odd set down in the midst of open country. These are perfectly obvious examples, but there are many other cases where the mistake is not so clear. The house may be beautiful in itself, and the surroundings beautiful, but if they do not have something in common, something to make the house and land one, the whole will lack the strength of unity, and the convincingness of suitability.

Level fields of farm hold volumes of interest, though as house sites they have their drawbacks. A friend of ours, owner of a house so situated, has his meals quite ruined for him because his dining room window happens to look over the plowed land of his farm. His eye roves over his fields while his morning peaches and cream go down his throat, their lusciousness unnoticed. Presently he spies something amiss in the orchard, and his coffee, that solemn ritual of the morning, is finished in a few gulps, and he is gone to remedy matters.

But the proximity of the farm makes certain demand on architecture. If the land is level and there are a few trees a house at once becomes a conspicuous object, and its style of architecture, its color, and the lack of judicious planting may all contribute towards divorcing house and landscape.

With the simple life at your door, your house must be simple, too. A low spreading wooden structure painted white or light gray, and following pretty closely

the lines of a New England farm house would have the charm of tradition, especially if there were some venerable apple trees to lend the countenance of age. Certain brick houses, notably the English cottage type are good in the open country though it is to be remembered that because of the color brick needs more of a garden before it appears to be at one with the ground it is built on.

A new house is raw to look at and years pass before the scars of building are finally effaced, but the landscape assimilates an old house, as it were, the hills and fields accept it, vines cling to it, the weather mellows its color to something rich and natural. Nothing but age can give this ripeness and maturity of beauty but much can be gained by skillful planting.

A garden forms an easy transition between the precise lines of a house and the open country. It is a go-between and a mediator and is at its best when it takes on a little of the character of both. A prim box tree or two near the house, and on the outskirts more irregularity and freedom. Certain gardens welcome you, gay and rambling gardens full of unexpected delights, others in their austere formality give an impression of positive gloom. If the character of the house is decided by the landscape, then should the garden take its cue from the house, and each will prove the other's good excuse for being. The simple house will have its simple garden, and the English house its clipped hedges and wall flowers.

When a house is adequate in every detail with nothing false or hypocritical in its structure, the result is usually good. Windows should be built for light and air, and chimneys to draw and whatever ornament either receives should acknowledge the true purpose of windows and chimneys and not interfere with their functioning. This applies to all the other purpose-filling features of a house as well and there is no reason why practical things should not also be beautiful.

With a house, as with the details of its architecture, the purpose to be filled should be the first thought. The land owner on the ocean shore has to meet other requirements on his house than does the farmer among his fields. If he builds high enough to view the sea he will be exposed to the tearing winds that come in salt laden, over the waves. There will be nights even in midsummer when he will draw close to the fire for warmth, while the wind pulls at doors and questions windows. Through the gales he will hear the deep-voiced booming of the waves, and if he puts his hand on the bare ground he will feel the tangible shock and recoil as the earth withstands the full strength of the waves in fury. Woe to the fragile house where windows rattle through sleepless nights.

Then if your dweller by the sea is wise he will remember the colors of the landscape around him. On the sea shore nature dips her brushes in clear pigments, and lays on her color in masses, lavishly. The white sands, the pure green of the coarse grass, and the deep blue of the sea and sky, these will be the setting. It is hard to imagine a better type of house for such a location than the Spanish missions. Their red tiled roofs are in perfect relation to the prevailing colors and the soft gray-white of the stucco walls have something in common with the sands. They could be easily modified according to the climate, more open in the south, less so in the north.

In climates where fertile gardens are difficult near the sea an inclosed court could be very felicitously used for this purpose. Rich soil could be kept there free from sand, and flowers could be grown there too delicate to stand the wind outside. The possibilities are endless—a fresh water pool, a bit of old marble and your court would be a spot different by leagues and centuries from the outside world. Stucco and red tile would not be so suitable on a stern and rock bound coast. Stone is not a logical material to build with, if there is no stone in the immediate neighborhood, but if there is an abundant supply it is not only the most logical, but the most practical as well.

With the house in the woodland the builder can have greater freedom and still hold to the admirable principle of harmony with the surroundings. He is less limited by nature. There are no strongly dominant colors as by the sea, and the architectural defects are not so evident as on an exposed piece of open ground. The natural material, of course, is wood, though stone and plaster are often as good, and the color could be almost anything but white. In the half twilight of the woods white is too ghostly.

The outstanding feature of the woods is psychological rather than physical. It is the effect the forests' ghostly solitudes have always had on the imagination of man. A large forest is not essential. It is sufficient if the wood is deep enough to produce the illusion of vastness and so thick that the sky appears only in blue patches through the leaves, and the light below is always a green twilight. The bark of a distant dog, and voices from the highway increase the sense of detachment rather than lessen it.

All this may seem rather intangible and abstract to have any effect on the very concrete fact of a house, but this wizard spirit of the woods has produced the greater part of folk lore and fairy tale. Why should it not set its mark on architecture as well? No house need be commonplace, but the house in the woods least of all. Let it be a well timbered house of some old English design, but for the de-

tails give free reign to the imagination, since the details will count. Build such a lattice window as Rapunzel used, when she let down her hair for the prince to climb. Let the beam ends appear through the walls, and carve each one into a face. The main supports of the house can be roughed to reproduce the old ax-hewn oaken beams of England. A wooden panel over the door can hold a whole pageant of quaint figures carved in low relief. The door knocker, the handle of the door—nothing is too small to receive its share of attention. Even the smallest cottage can present a wrought-iron lantern beside the door, and a roof suggestive of thatch.

The fourth house site, the rocky country, is one of the most interesting to the builder, whether it is the stony slopes of New England or the more imposing cliffs of the western mountains. There is a tradition about houses in New England and everyone is familiar with the type. They have had their share in New England's fame, these dignified little homes that sheltered the greatest men in the days when our country struggled for freedom. These houses were of wood, and so beautiful that they still are the best America has made. One might ask—"Why build a New England house of stone at all?" However, these old houses were located in towns and in the most fertile valleys where agriculture was easiest. Our ancestors were practical people—they could not afford to be anything else—and they tilled the soil they lived on. The stony and inaccessible places they left alone, or used for pasture. We, who choose a site for the sake of its view or its seclusion, are not at all in the same position. A white house with the beautiful fan windows of old times is ideal under the elm trees of a quiet village street, but altogether out of place half-way up the steep slopes of a mountain. In pioneer days the dwellers in these places used log cabins, which were all very well for the primitive life but hardly adapted to a house of more than three or four rooms.

Stones grow in New England; the farmers make fences of them; they are ready to the hand of the builder. The stone walls can be rounded like cobbles or cut flat; the door and window frames can be of trimmed stone or wood; the windows leaded. The house should be so placed that the most used rooms receive the greatest advantage of view, and the location studied carefully. The relation of the house to the landscape is just as important in stony country as elsewhere. Fences of stone and terraces walled up with stone relate the grounds and the house. Oftentimes houses are built on the very edge of cliffs and of the same kind of stone. The cliff face is continued on up to form the house wall so that the two merge gradually. The original ground line

can often be kept without grading and the foundation of the house built irregularly to correspond so that the house appears to be one with the original rock.

Thus far we have been able to give only in the most hasty and incomplete way some of the general principles for relating the house to the landscape. It is a subject no less interesting to work out than it is important to the ultimate success of a house. There now remains one type of home to be touched on very briefly, namely, the cottage.

In the mind of America a cottage is a compromise. It is a grade lower than a bungalow, and has some of the elements of camping out; it usually has an oil stove that smokes. But in spite of the inconveniences, the drafts and the spiders, it has a very important place in American life. In a cottage keeping up appearances is no longer a necessity, and the spirit of vacation reigns as long as the season lasts. The very name "cottage" is a proclamation of informality, and a license to build as simply as you like.

The beauty of a small building depends largely on its line of construction, that is today, the slant of the roof, the height of the walls, and the placing of doors and windows in good proportion and relation. There can be no specific rules about these things because they vary with each house, and all that can be done here is to point out where care should be taken. Small houses have an unfortunate habit of resembling faces. Eyes look at you in the upstairs windows and the door is a long and solemn mouth. This is caused by the absolute symmetry of arrangement, and can easily be avoided. Porches that shelter from the sun and include, if possible, a good view are quite as important to the summer cottage as a dining room, and should be given careful thought in relation to weather exposure and the avoidance of excessive sunlight, prevailing winds and rain.

Last of all, let me voice a plea for architects, those genial wizards of the drawing board possessing as a class a fine sense of the dignity and significance of their work, and as individuals a ready knowledge and a quick insight into advantages and limitations. They will give to your idea the touch of imagination which will vivify the whole, and they will capture for you the elusive quality of beauty.—*Building Industry*.

What is the best way to increase lime tonnage?

That is the question which is uppermost in every lime producer's mind. It will also be the keynote of the Ninth Annual Convention of the National Lime Association, which will be held at the Greenbrier Hotel, White Sulphur Springs, W. Va., on May 17, 18, and 19, 1927.

The feature of the program will be the discussion, Wednesday, May 18th, of the vital question of coordinating Promotion and Sales. This general subject will be subdivided into several phases for detailed discussion, each phase being started by a talk from a lime manufacturer who has made a special intensive study of the subject.

This "get-together" of lime producers for a full and frank discussion of the biggest problems confronting the industry will result in the coordination of policies and the development of new methods of intensive sales campaigns. It is safe to say that more real value will be derived from attendance at this convention than has ever before been realized.

Every producer of lime should make a special effort to attend, regardless of whether or not he is a member of the present organization. The meeting will be open to manufacturers at all times and every producer will have an opportunity to participate.

The program is being planned so as to be flexible and so that the maximum amount of time can be given to recreation and social activity. This has necessitated eliminating all tournaments, but it is felt that friendly groups are more desired at a convention than the keen rivalry of tournament play.

The Greenbrier Hotel offers every facility for relaxation, comfort and recreation that can be desired. The golf links are equal to any in the world; excellent clay tennis courts are available to those who prefer that sport. Well-kept bridle paths attract the horsemen, and the many pleasant, shady walks and paths around the hotel grounds and neighboring hills make quiet, easy exercise a pleasure.

Make your plans so that you can attend the National Lime Association Convention. It will be well worthwhile. You will profit in friendships renewed or made, and your business will profit through the new ideas you will gain. The middle of May is a convenient time to get away, and White Sulphur Springs, W. Va., is easy to reach with Pullman service all the way.

Every lime producer of any consequence should be represented at this meeting, May 17, 18, and 19, at the Greenbrier Hotel, White Sulphur Springs, W. Va.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

Reference Directory for Architects, Builders and Owners

- AREA GRATINGS**
Irving Iron Works.....1015 Chestnut St., Phila.
- ARTESIAN WELLS**
Kidpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.
- ARTISTS' AND ARCHITECTS' SUPPLIES**
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.
- BLASTING**
Harding, J. H.10 N. 2nd St., Camden, N. J.
- BLUE PRINTS AND BLUE PRINT PAPER**
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.
- BOILER AND PIPE COVERINGS**
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
- BRICK**
Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.
- BUILDERS**
Armstrong & Latta Co.1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.
- BUILDERS' SUPPLIES**
Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.
- CABINET WORK**
Huskey Mfg. Co.Columbia and Howard Sts., Phila.
- CAULKING**
Sterling Products Co.831 S. 49th St., Phila.
- CEMENT**
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.
- CEMENT WORK**
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.
- COLD STORAGE (Insulation and Covering)**
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
- COLUMNS (Metal)**
Pearce Fireproof Co.1911 N. 2nd St., Phila.
- CONCRETE WORK**
Massiah, Frederick, Juniper and Cypress Sts., Phila.
- CONTRACTORS' EQUIPMENT**
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co. ...20th and Venango Sts., Phila.
- CORK FLOORING**
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.
- CURTIS WOODWORK**
Gillingham Co.Norris and Richmond Sts., Phila.
- DAILY BUILDING NEWS**
Building News Pub. Co.1530 Chestnut St., Phila.
- DAMP-PROOFING**
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr.829 N. 3rd St., Phila.
Phila. Building Material Co. 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.
- DOOR BEDS**
Murphy Door Bed Co.512 Bulletin Bldg., Phila.
- DRAWING MATERIALS**
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.
- ELECTRICAL CONTRACTOR**
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.
- ELECTRICAL REFRIGERATION**
Welsbach CompanyGloucester, N. J.
- FENCES**
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co.Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
- FIREPLACE DAMPERS**
Blackburn, Wm. N.Drexel Hill, Pa.
- FIREPLACE THROATS**
Blackburn, Wm. N.Drexel Hill, Pa.
- FIREPROOFING**
Pearce Fireproof Co.1911 N. 2nd St., Phila.
- FLAG POLES**
J. E. Lingo & SonCamden, N. J.
- FLOOR HARDENER**
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.
- FLOORING (Rubber Tile)**
Hamilton Rubber Mfg. Co.2313 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.
- FLOORING (Steel)**
Irving Iron Works.....1015 Chestnut St., Phila.
- FLUE LINING**
Clausen, Wm. H.27th and Diamond Sts., Phila.
- FURNACES AND RANGES**
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.
- GAS RANGES**
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.
- GRANITE**
Architectural Cast Cut Stone Co.Westmont, N. J.
- GRATINGS**
Irving Iron Works.....1015 Chestnut St., Phila.
- HEATING CONTRACTORS**
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.
- HEATING BOILERS**
Fleck Bros. Co.50 N. 5th St., Phila.
- HOLLOW TILE**
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.
- INSURANCE**
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.
- IRON AND STEEL BARS AND PLATES**
Potts, Horace T. & Co.Erie Ave. and D St., Phila.
- IRON AND STEEL (Structural and Ornamental)**
DeCou, Richard Co.11th and Noble Sts., Phila.
Lederle, Robt. B., & Co.Witherspoon Bldg., Phila.
Livezey, Thos. H.American and Luzerne Sts., Phila.
Montgomery Iron & Steel Co.2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.
- KITCHEN CABINETS**
Philadelphia Gas Range Co.1026 Arch St., Phila.
- LEVELS**
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.
- LINOTILE**
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
- LUMBER**
Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co.Norris and Richmond Sts., Phila.
Ketcham, Howard3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.
- MARBLE AND MOSAIC**
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co.435 Green St., Phila.
- MASON BUILDER**
D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.
- METAL LATH**
Pearce Fireproof Co.1911 N. 2nd St., Phila.
- METERS**
Phila. Meter Co.Real Estate Trust Bldg., Phila.
- MILLWORK**
Gillingham Co.Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.
- PANELS (Wood)**
H. C. L. Miller1101 N. Front St., Phila.
- PAVING BRICKS**
Ketcham, O. W.121 N. 18th St., Phila.
- PHOTOSTATS**
Weber, F., Co.125 S. 12th St., Phila.
- PLASTER KEY**
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
- PLASTERER**
Sterling, JosephSouth Merchantville, N. J.
- PLUMBING FIXTURES**
Fleck Bros. Co.50 N. 5th St., Phila.
- RADIATOR CABINETS**
Radiator Cabinet Co.Drexel Bldg., Phila.
- RANGES**
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.
- REFRIGERATORS**
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
- REINFORCING BARS**
Montgomery Iron & Steel Co.2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.
- ROAD MACHINERY**
Service Supply Corp. ...20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.
- ROOFING**
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.
- ROOFING MATERIALS**
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.
- ROOFING SLATE**
Chapman Slate Co.Bethlehem, Pa.
- ROOFING TILE**
Hood Tile Co.S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.
- RUBBER FLOORING**
Hamilton Rubber Mfg. Co.2313 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.
- SAFETY GUARDS**
Potts, Horace T., & Co.Erie Ave. and D St., Phila.
- SAND AND GRAVEL**
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.
- SCAFFOLDING**
Patent Scaffolding Co.2835 Bridge St., Phila.
- SEWER PIPE**
Clausen, Wm. H.27th and Diamond Sts., Phila.
- SHEETROCK (Wall Board)**
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.
- SHOWER BATH SHIELDS**
Lehman, L. H.1210 N. 8th St., Phila.
- SOUNDINGS**
Kidpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.
- STEEL SASH**
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.
- STONE**
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.
- SURETY BONDS**
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.
- TERRA COTTA (Architectural)**
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
- TERRA COTTA SEWER PIPE**
Ketcham, O. W.121 N. 18th St., Phila.
- TILE AND TERRAZZO WORK**
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co.435 Green St., Phila.
- TRANSITS**
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F., Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.
- VENEERS (Wood)**
H. C. L. Miller1101 N. Front St., Phila.
- WALL BOARD, COMPO BOARD**
Ketcham, Howard3rd and Girard Ave., Phila.
- WALLBOARD (Sheetrock)**
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.
- WALL COPING**
Clausen, Wm. H.27th and Diamond Sts., Phila.
- WATER HEATERS**
Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
- WATERPROOFING**
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Phila. Building Material Co. 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.
- WEATHERSTRIPPING (Metal)**
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.
- WINDOW GUARDS AND WIRE PARTITIONS**
Audubon Wire Cloth Co.Audubon, N. J.
Potts, Horace T., & Co.Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
- WINDOW REFLECTORS**
Phila. Daylight Co.Bourse Bldg., Phila.
- WIRE AND WIRE WORK**
Audubon Wire Cloth Co.Audubon, N. J.
- WOOD PANELS**
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

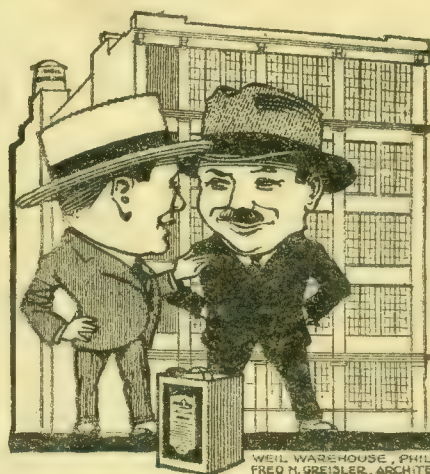
PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

This Warehouse is Always Dry—It's Waterproofed with "ANTI-HYDRO"

Insurance companies give a lower rate to warehouses with waterproof floors than those without them. By using "ANTI-HYDRO" you can guarantee waterproof floors and the saving in insurance premiums for your clients, and at the same time give them absolutely hard, dustproof floors.



"ANTI-HYDRO" is a liquid integral compound, extremely easy to use. Any unskilled laborer can mix it with the gauging water. One troweling is usually sufficient for a perfect finish when "ANTI-HYDRO" is mixed with the concrete. It also accelerates the set of cement, eliminating over-time work.

Twenty-three years of continuous use assure you of complete satisfaction from every "ANTI-HYDRO" installation. Use it on your next job.

WEIL WAREHOUSE, PHILADELPHIA, PA.
FRED H. GREISLER, ARCHITECT & ENGINEER. ROBBINS CONTRACTING CO., PHILA., BUILDERS

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 20
May 18, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

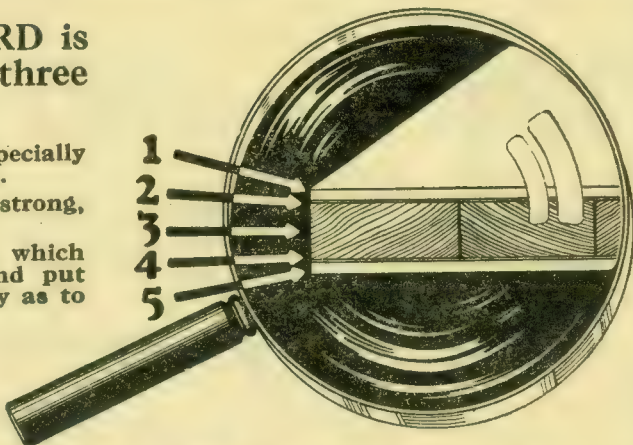
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Workmanship—

is something that no Engineer,
Architect, or owner has ever been
able to specify and get in.

It can only be done by careful
selection—selecting us will clear that
point up.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue

PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered
right to your job by trucks is a time
and money saving method being adopted
by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse: 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

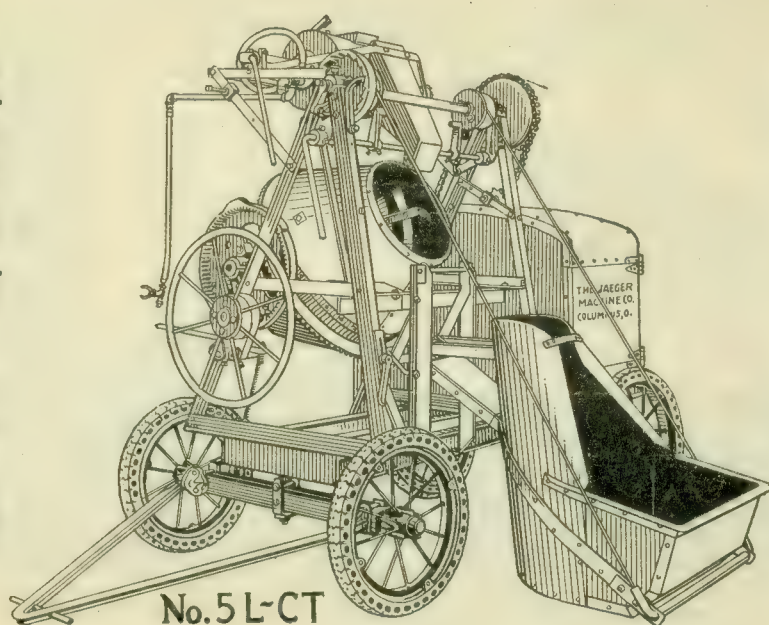
FABRICATED STEEL IRON BARS

RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

R
E
S
U
L
T
S

No. 5 L-CT

S
E
R
V
I
C
E**JAEGER MIXERS**

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES :

KEYSTONE
West 1177

BRICK**H. M. & C. B. SINER, Inc.****REAL BRICK**

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street
PHILADELPHIA

Jefferson 6800

East 7785



**LOW PRESSURE
Electric Refrigeration**
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

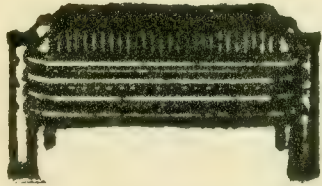
WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

Go to **HENRY M. MILLER**

50 North 2nd Street

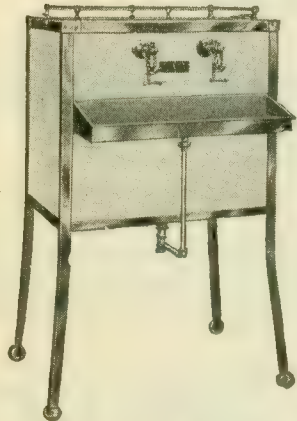


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. CO.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Number 20

Engineering and the Building Trades

PHILADELPHIA

May 18, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Recreation Building, Cheltenham and Ardleigh street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Bureau of Recreation, Department of Public Welfare, City Hall. Brick, steel, 2 stories and basement (plumbing, heating, electric separate). Plans in progress.

Buildings, Southeast Corner Twentieth and Walnut streets, Philadelphia. Architect, A. W. Hall, Lewis Building, Philadelphia. Owner, S. T. Hall, Seventeenth and Sansom streets, Philadelphia. Brick, stone, steel, 4 stories, 22x100 feet. Plans in progress.

Stores (2), Residence (alts. to Store), Store (alts. and add.), Frankford. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Brick, 2 stories, 16x56 feet, (1) 27x35 feet, (2) store and apartments, 2 stories, 16x56 feet, hardwood floors, cement work, hot water heat, electric light, tile work, flush bulks, plate glass. Plans completed. Owner ready for sub-bids.

Factory Building, Kensington and Sedgley avenues, Philadelphia. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 1 story, 98x81 feet, 2 stories, 22x80 feet, slag roof, steam heat, electric light, cement floors, rolled steel sash, plumbing. Architects ready for bids.

Residence, Mt. Airy, Philadelphia. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, George Hilliard English, care of architect. Stone, 2½ stories, hot water heat,

electric light, tile work, shingle roof, hardwood floors. Owner will build.

Factory Building, Sterigere and Stanbridge streets, Philadelphia. Engineers, Austin Co., 1015 Chestnut street, Philadelphia. Owners, Wildman Mfg. Co., Norristown, and Richter Machine Co., Vankirk and Edch streets, Philadelphia. Brick, steel, reinforced concrete, saw-tooth roof, concrete floors, electric light. Engineers will build.

Synagogue and Sunday School, Broad and Mt. Vernon streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Rodolph Shalom, L. Friedman, 251 South Fifteenth street, Philadelphia. Brick, granite, limestone, steel, 5 stories and basement, 242x90 feet, slag roof, composition, cement and oak floors, elevators, safety treads, roof ventilators, architectural terra cotta, acoustical treatment, steel stacks, wall finish, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, fire doors, bond, floor hardener, soundproofing, bronze casement windows, ornamental iron work, bronze work, area gratings, Sanionyx partitions, cabinet work, caulking, rubber tile floors, plastering. Architects taking bids due May 20th, 10 A. M.

Storage Building, Eleventh, Twelfth, Reed and Wharton streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, 215 City Hall. Brick, steel, 1 story, 110x50 feet (plumbing, electric separate),

slag roof, cement floors, ornamental iron work. Owners taking bids due May 25th at noon (Daylight Saving Time).

Store and Offices (alts.), Southwest Corner Ninth and Chestnut streets, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Roberts Realty Co., care of architects. Concrete, stone, brick, marble, steel, iron, carpentry and mill work, stair work, plastering, plumbing, electric work, painting, glazing, steam heat, tile work, iron grills, metal ceilings, elevators, composition floors, sprinkler system, steel sash, steel partition, bond, demolition iron stairs, maple and oak floors, slag roofing, metal covered doors, metal lath, wrought iron work. Architects taking bids due May 24th.

Office Building (add.), Twenty-third and Westmoreland streets, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Sharples Spec. Co., on premises. Brick, cut stone, steel, cast stone, 2 stories and basement, 103x38 feet, slag roof, cement and linoleum floors, electric light, metal lath, tile, marble and terrazzo work, rolled steel skylights, fire doors, bond, ornamental iron work, wrought iron pipe, cast stone, plumbing. Architects taking bids due May 24th.

Residences (3), Winston road, South of Springfield, Chestnut Hill. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, name withheld. Stone, cinder block, 2½ stories, slate roof, hardwood floors, elec-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

tric light. Architect taking bids due May 20th.

Industrial Plant, Southeast Corner Thirty-third and Dickinson streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Philadelphia Magnesia Co., on premises. Brick, cut stone, reinforced concrete, limestone, steel, 2 stories and basement, 100x78 feet, composition and cement floors, metal lath, tile, marble work, rolled steel sash and skylights, ornamental iron work, rolling steel doors, roof ventilators. Architect taking bids due May 20th.

Store and Apartment and Garage, German-town and Pelham road, Philadelphia. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Chadwick & Co., Fifteenth and Locust streets, Philadelphia. Brick, cut stone, steel, 2 stories and basement, 128x36 feet, slag roof, maple and cement floors, electric light, metal lath, tile work, ornamental iron work. Architects taking bids due as soon as possible.

Alterations and Additions, Chestnut Hill. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, John Wright, Chestnut Hill, Pa. Stone, 2½ stories add., slate roof, oak and pine floors, painting and glazing, carpentry and mill work, metal lath, tile work. Architect taking bids due as soon as possible.

Factory Building, Kensington and Sedgley streets, Philadelphia. Architects, H. Rex Staackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 1 story, 98x81 feet, 2 stories, 22x80 feet, slag roof, steam heat, electric light, cement floors, plumbing, rolled steel sash. Architects taking bids due May 23rd.

Boiler Room and Cold Storage Building No. 1 (alts. and add.), 2201 Belmont avenue. Owners, Board of Trustees of the Home for Training and Speech and Deaf Children, on premises. Owners taking bids due May 26th, 9 A. M. (Standard Time), for general alterations and add. to building, concrete work, brick, carpentry, iron work, hardware, changes to steam and return piping to heating plant, electric (heating and electric separate). Deposit, \$25, refunded, if returned within ten days after opening of bids. Make checks payable to Treasurer of the institution.

Hotel Zeisse (alts.), 820 Walnut street, Philadelphia, \$20,000. Architect, private plans. Owner, Samuel L. Griffin, on premises. Brick work, stone, concrete footings, structural steel, iron work, sheet metal work, tile and marble, plumbing, electric work, elevator, elevator doors, rubber tile floors, carpentry, mill work, plastering, painting, glazing, steel sash, metal ceilings, hardware, repairs to skylights, water tanks. Permit issued.

Garages (9), North side Parker street, East of Ridge avenue, Philadelphia, \$2,700 total. Architect, private plans. Owner, Max Meitner, Lawnton avenue, Roxborough, Philadelphia. Brick, 1 story, 9x20 feet, slag roof, cement floors, electric light. Permit issued.

Residences (2), West side Seventy-first street, South of City Line, Philadelphia, \$50,000. Architect, private plans. Owner, Timothy Gallagher, Fifty-fifth and Springfield avenue, Philadelphia. Stone, 3 stories, 27x42 feet, 22x22 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Stores (4), South side Lyons

avenue, East of Seventy-eighth street, Philadelphia, \$18,000. Architect, private plans. Owner, Bernardo Manganello, 6124 Wheeler street, Philadelphia. Brick, 2 stories, 16x35 feet, 16x13 feet, slag roof, pine floors, electric light. Permit issued.

Residence, 401 West Champlost avenue, Philadelphia, \$11,500. Architect, private plans. Owner, Herman Britsch, 523 Nedro avenue, Philadelphia. Brick, 3 stories, 17 feet 10 inches x 45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Gas Station, South side Bryn Mawr avenue, East of Lebanon avenue, \$4,000. Architect, private plans. Owner, Charles W. Maloney, 5815 Hoffman street, Philadelphia. Brick, 1 story, 16x16 feet, cement work, electric light. Permit issued.

Residences (52), North and South sides Seventy-eighth avenue, West of Ogontz avenue, \$261,000. Architect, private plans. Owners, West Philadelphia Realty & Construction Co., 4842 Larchwood avenue. Brick, 2 stories, 16x31 feet, 13x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, North side Harley street, East of Eighty-fifth street, Philadelphia, \$4500. Architect, private plans. Owner, John McEnhill, 8311 Tinicum avenue, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage and Storage Building (and add.), 404 West Cheltenham avenue, Philadelphia, \$9,500. Architect, private plans. Owner, Harry C. Weller, 4940 North Broad street, Philadelphia. Brick, 2 stories, 35x20 feet, add. 1 story, 36x21 feet, slag roof, cement floors, electric work. Permit issued.

Apartment House, 4311 Spruce street, Philadelphia, \$350,000. Architect, private plans. Owner, Samuel Silverman, 1926 Land Title Building, Philadelphia. Brick, 4 stories, 54x24 feet, 48x128 feet, slag roof, hardwood and pine floors, steam heat, electric light. Permit issued.

Residences (49), Sheridan street, North of Bigler street, \$174,500. Architect, private plans. Owner, W. L. Jones, 2860 South Fifteenth street, Philadelphia. Brick, 2 stories, 15x32 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), South side Hartel street, West of Loretto street, \$50,000. Architect, private plans. Owners, Castor Highlands Development Co., on premises. Brick, 2 stories, 16x25 feet, 18x24 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (4), Murray street, East of Dungan street, Philadelphia, \$24,000 total. Architect, private plans. Owner, William M. Foster, 5119 Oakland street, Philadelphia. Frame, 2 stories, 16x33 feet, hardwood, pine and cement floors, hot water heat, electric light, garages, 1 story, 10x18 feet. Permit issued.

Residences (6), West side Lawndale avenue, North of Robbins avenue, Philadelphia, \$18,000. Architect, private plans. Owner, Morris J. Lewis, 514 East Olney avenue, Philadelphia. Brick, 2 stories, 14x26 feet, 14x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Northeast Corner Seventh and

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Godfrey streets, Philadelphia, \$25,000. Architect, private plans. Owner, Joseph A. Fischer, Oak Lane Trust Co., Broad and York road, Philadelphia. Stone, 3 stories, 32x65 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residence, Northeast Corner Thompson and Westmoreland streets, Philadelphia, \$3,500. Architect, private plans. Owner, Walter Ryhas, 3336 Edgemont street, Philadelphia. Brick, 2 stories, 16 feet 6 inches x 42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), North side Albanus street, East of Rising Sun avenue, \$49,000. Architect, private plans. Owners, Finestone & Mitelman, 436 East Rockland street, Philadelphia. Brick, 2 stories, 15x27 feet, 11x8 feet, slag roof, hardwood and pine floors, electric light, hot water heat. Permit issued.

Residences (8), Thompson, Westmoreland and Belgrade streets, Philadelphia, \$21,000. Architect, private plans. Owner, Walter Ryhas, 3336 Edgemont avenue, Philadelphia. Brick, 2 stories, 15x32 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Switching and Control Equipment, Auxiliary Transfer for Substations No. 4, No. 5, No. 6, Broad Street Subway, Contract No. 149. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due May 31st, 11 A. M. (Standard Time). Deposit, \$50, refunded. Certified check, 5 per cent.

Sidewalk Restoration, Broad street, from Noble to Stiles, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Granolithic finish, paving, cement and concrete, bond. Owners taking bids due May 20th. Original plans recalled for omission in specification. Please note due date.

Sewage Disposal Project, Northeast Sewage Disposal Plant. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Owners taking bids due June 8th, 11 A. M. (Standard Time). Certified check, 5 per cent. Schedule A, Contract No. 1, general building; No. 2, mechanical equipment; No. 3, electric; No. 4, plumbing; No. 5, heating.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due May 27th. Contract No. 56, electric and mechanical apparatus, equipment and repairs, repair parts, accessories and renewal therefor.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. City avenue, Haverford to Arch, C. G. Centrone, Baltimore Building, Philadelphia, \$44,095.50. Sixty-first, Chester Branch, P. & R., to Gaul street, Passyunk, R. B. Wenner, 2313 Walnut street, Philadelphia, \$73,269.40. Atlantic street and Gaul street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$11,272.63. Brill street and others, Union Paving Co., Thirtieth and Locust streets, \$33,087.70. Comly street, Rising Sun to Colgate, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$3,528.77. Cottman, Torresdale to State road, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$20,798.20. Rosehill street, Wyoming avenue to Courtland street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$5,187.62. Roselyn and Sixty-sixth avenue, Barber Asphalt Co., 1600 Arch street, \$9,085.09. Rowland avenue, Cottman to Frankford avenue, Union Paving Co., Thirtieth and Locust streets, \$39,426.82. Seuter street, Rising Sun avenue to Colgate, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$4,847.35. Whitaker, Herkness to Ruscomb, Barber Asphalt Co., 1600 Arch street, \$6,919.38. Gilbert, Vernon road to Mt. Pleasant, Union Paving Co., Thirtieth and Locust streets, \$5,684. Wadsworth avenue, Cheltenham avenue to Thourm, Union Paving Co., Thirtieth and Locust streets, \$22,657.40. Cumberland street, Kensington avenue to Coral, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$16,193.96. Hope street, Diamond to Dauphin, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$5,730.13. Hutchinson, Huntingdon to Lehigh avenue, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$5,688.74. Melvale street, Camlna to Ann, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$4,505.61. Nineteenth, Tasker to McKean, Union Paving Co., Thirtieth and Locust streets, \$18,204.41. Germantown, Allen lane to Mermaid lane, Union Paving Co., Thirtieth and Locust streets, \$49,442.90. Rising Sun, Hutchinson to Tioga, Union Paving, Thirtieth and Locust streets, Philadelphia, \$12,215.30. Low bidders on miscellaneous items, Department of Public Works, Philadelphia: Vittrified paving block, Lawrence J. McEvoy, Equitable Building, \$13,800. Paving, gravel: E. F. Bennis, Washington lane East of Chew street, \$2,150.

St. Ladislav School (add.), Hunting Park and Wayne Ave., Phila. Architect, S. J. Laschenski, Harrison Bldg., Phila. Owner, D. Cardinal Dougherty, 18th and Summer streets, Phila. Stone, steel, 1 story, 8 class rooms (heating, plumbing, electric, reserved), slate roof, maple floors, kalamein doors. Architect taking bids due May 21st 10 A. M. (D. S. T.).

Branch Bank Building, Evergreen and Germantown avenue, Chestnut Hill. Owner, Germantown Trust Co., Germantown and Cheltenham avenues, Phila. Work contemplated.

Store and Apartment, N. E. corner 63rd and Hartley streets, Phila. Owner, A. Leibovitz, 4045 Baltimore avenue, Phila. Size of lot 40x95 feet. Work contemplated.

Service Station, N. E. corner 9th and Rising Sun Ave., Phila. Architect, private plans. Owner, A. Leibovitz, 4045 Baltimore avenue, Phila. Lessee, Peerless Service Station, Inc., 1500 Germantown Ave. Owner will build.

Residences (24), N. side Brill street, E. of Large street, Phila., \$97,5000. Architect, private plans. Owners, Klaus & Baxter, 852 S. 55th street, Phila. Brick, 2 stories, 16x27 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, S. side Cheltenham avenue, W. of 7th street, Phila. Architect, private plans. Owner, J. M. Zerbey, 4717 N. Broad street, Phila. Stone, 3 stories, 42x28, 18x20 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Sunday School, S. E. Corner 53rd and Wyalusing Avenue, Phila. Architect, Norman Hulme, 1524 Chestnut street, Phila. Owner, Blockley Baptist Church, Rev. J. Hainer, on premises. Stone, 1 and 2 stories and basement, 46x65 3/4, 43x50 feet, slag roof, maple and rubber stone floors, electric light. Fellowship hall, Departmental Sunday School. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building, Southeast Corner Greene and Cheltenham avenue, Philadelphia, \$300,000. Architect, C. E. Wunder, 1520 Locust street, Philadelphia. Owners, George Allen, Inc., 1210 Chestnut street, Philadelphia. Brick, steel, limestone, reinforced concrete, terra cotta, 3 stories.

phia. Owners, George Allen, Inc., 1210 Chestnut street, Philadelphia. Brick, steel, limestone, reinforced concrete, terra cotta, 3 stories.

Special Price for 30 days . \$80.00

on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged

All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



**BRICKS
HOLLOW TILE**

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox

A. S. Janeway

Wm. Barnes

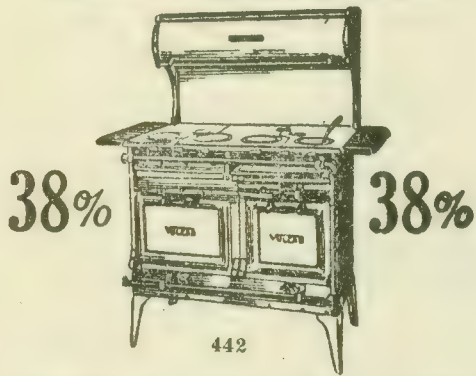
**SIMPSON-ANDERSON COMPANY
SURETY BONDS—GENERAL INSURANCE**

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

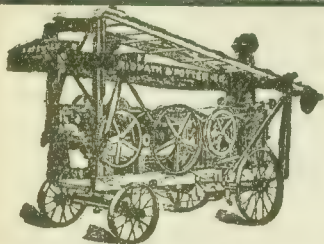
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.

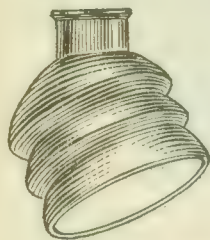
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
12317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

ries and basement, 168x75 feet (plumbing, heating, electric and elevators, sprinkler, steel stack reserved), Barrett Specification roof, cement floors, roof ventilators, metal window guards, metal weather strip, dampproofing, area gratings, ornamental iron work, iron stairs, bond, fire and kalamein and hollow metal doors, rolled steel sash, tile work, metal lath, limestone, metal toilet partitions, granite, pneumatic tubes, metal lockers, ash hoist, sound insulation, incinerator, vitrolite. Contract awarded Turner Const. Co., 1700 Walnut street, Philadelphia.

Birney School (add.), Ninth and Lindley avenue, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contracts awarded: Gorman & Frank, 6912 Market street, Philadelphia, \$127,000; plumbing, Bullman Brothers, Fifth and Cumberland streets, Philadelphia, \$7,133; heating, McClintock & Co., 5608 Race street, Philadelphia, \$14,195; ventilating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$997; electric, Walker & Kepler, 530 Chestnut street, Philadelphia, \$4,096. No. 87, Jefferson School, J. J. Murphy, 1835 Ludlow street, \$6,400. No. 90, Roosevelt School, Hooper & Null, 1609 Ranstead St., \$8,400. No. 92, Newton Felt, P. B. Canon, Phila., \$6,400. No. 93, Morrison, Hooper & Null, 1609 Ramstead street, \$4,200. No. 95, Roxborough, James McAlpin, 1713 North Twenty-fourth street, \$9,500. No. 97, Lawndale, H. W. Ehringer, Sixth and Duncannon streets, \$2,980. No. 98, Logan, Kuehnle & Co., Seventeenth and Vine streets, \$5,575. No. 99, Kennedy, H. W. Ehringer, Sixth and Duncannon streets, \$4,260. No. 100, Morrison, Hooper & Null, 1609 Ranstead street, \$4,280. No. 103, Hamilton Diston, Kuehnle Co., Seventeenth and Vine streets, \$5,630. No. 104, Manor, H. S. Rau, 1936 Market street, \$5,977. No. 106, Blankenburg, S. H. Rau, 1939 Market street, \$5,245. No. 117, Mebinger, J. J. Murphy, 1835 Ludlow street, \$6,200.

Store Building, 3614 Germantown avenue, Philadelphia, \$40,000. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick, steel, granite, limestone, steam heat, electric light, metal lath, tile and marble work, metal partitions, tinclad and kalamein doors, bond, ornamental iron work, iron stairs, roof ventilators, metal ceilings, waterproofing, plumbing, sprinkler, copper store fronts, linoleum floors. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Bank, 3314-16 Germantown avenue, Philadelphia, \$80,000. Architect, Thomas E. Ash, 1700 Walnut street, Philadelphia. Owners, Tioga National Bank, 3452 Germantown avenue, Philadelphia. Brick, 1 story, 41x117 feet,

electric light, carpentry and mill work. Contract awarded Stewart Brothers Co., 2526 North Orkney street, Philadelphia.

Church, Margaret and Melrose streets, Philadelphia. Architect, Horace Castor, Stephen Girard Building, Philadelphia. Owners, St. Valentine's Polish Church, on premises. Brick, 1 story, 2 stories, 50x110 feet, slate roof, pine floors, steam heat, electric light, carpentry and mill work. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Store, Office and Apartment (alts. and add.), 2223-27 Columbia avenue. Architect, I. Demchick, 1701 Chestnut street, Philadelphia. Owners, Rosenberg & Friedman, care of architects. Brick, cast stone, cut stone, steel, 3 stories and basement, 80x47 feet, built-up roof, oak floors, dampproofing, ornamental iron work, iron pipe, marble work, rolled steel skylights, sprinkler system. Contract awarded Katz & Kleiman, 626 Tasker street, Philadelphia.

Residence (alts. and add.), St. Martin's lane, below Graver's lane, Philadelphia. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, H. Gordon McCough, on premises. Stone, 2 stories and basement, 23x24 feet, shingle roof, cement and pine floors, hot water heat, electric light, metal lath, iron work. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Philadelphia.

Alterations, 1614 Latimer street, Philadelphia. Architect, Edmund Gilechrist, 1618 Latimer street, Philadelphia. Owners, Print Club, 1614 Latimer street, Philadelphia. Carpentry and mill work, plastering, painting and glazing, brick, plumbing, electric work. Contract awarded H. E. Grau Co., 2125 Cherry street, Philadelphia.

Nurses' Home, 1530 Lombard street, Philadelphia. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, Fred Douglas Memorial Hospital, on premises. Brick, steel, cut stone, 3 stories and basement, 30x120 feet (plumbing, heating, electric reserved), slag roof, cement floors, metal lath, tile work, rolled steel sash, ornamental iron work. Contract awarded J. F. Trent, Nineteenth and Addison streets, Philadelphia.

Contract No. 803, Belmont Filtering Plant, Philadelphia. Architect, private plans. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Gate house, 1 story, 22x16 feet, chlorine house, 1 story, 34x18 feet, filters and callaries, 2 stories, 192x129 feet, head house, 2 stories, 62x32 feet, brick, architectural terra cotta, steel, granite, asphalt slate and slag roof, safety treads, rolled steel sash and skylights. Contract awarded R. S. Herzog, 10 South Eighteenth street, Philadelphia.

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Machine Shop, Southwest Corner American and Cayuga streets, Philadelphia, \$7,500. Architect, private plans. Owner, O. P. Schuman, 2226 North Sixth street, Philadelphia. Brick, 1 story, 36x60 feet. Contract awarded to W. F. Chapman, 1805 West Venango street, Philadelphia.

Garage (add.), 403 Rector street, Philadelphia, \$4,400. Architect, private plans. Owner, C. T. Bezold, 448 Green lane, Philadelphia. Brick, 1 story add., 29x54 feet, slag roof, cement floors, electric work. Contract awarded to William L. Davenport, 542 East Roxborough avenue.

Service Station, Northeast Corner Fifty-sixth and Luzerne streets, Philadelphia, \$4,000. Architect, private plans. Owners, Valvoline Oil Co., Northeast Corner Fifth and Luzerne streets, Philadelphia. Brick, 1 story, 24x30 feet, slag roof, cement floors, electric work. Contract awarded to William C. Wright & Son, 22 Harvey street, Philadelphia.

Show Room, 6752 Ridge avenue, Philadelphia, \$30,000. Architect, private plans. Owner, Harry S. Thompson, on premises. Contract awarded to G. L. & J. K. Callahan, Oriole street, Roxborough.

Church (add.), Southeast Corner Fiftieth and Woodland avenue, Philadelphia, \$12,000. Owners, Mt. Zion African Church, on premises. Stone, 1 story add., 31x80 feet. Contract awarded to C. W. Gregory, 1413 South Fiftieth street, Philadelphia.

Building, 527 South Melville street, Philadelphia, \$6,000. Architect, private plans. Owner, B. Greenberg, 5143 Haverford avenue, Philadelphia. General fire repairs. Contract awarded to Morris & Fishman, 523 South Third street, Philadelphia.

Residence, South side Ripley avenue, West of Frontenac street, \$9,000. Owner, George Kessler, 451 East Wyoming avenue, Philadelphia. Brick, 2 stories, 25x33 feet, hot water heat, electric light. Contract awarded to Charles M. Sinn, 201 East Robat street, Philadelphia.

Residence (add. and alts.), 646 North Forty-third street, Philadelphia, \$4,000. Owner, Ella R. Richardson, 715 South Sixteenth street, Philadelphia. Brick, 2 stories add., 17x16 feet, general alterations. Contract awarded to A. J. Banks, 1953 North Eleventh street, Philadelphia.

Residence and Store (add.), 1203 Federal street, Philadelphia, \$2,200. Architect, private plans. Owner, J. Mattia, 748 South Tenth street, Philadelphia. Brick, 1 story add., 14x14 feet. Contract awarded to P. Agnes, 2312 South Ninth street, Philadelphia.

Store and Storage (add.), 1736 Market street, Philadelphia, \$2,500. Architect, private plans. Owner, Henry E. Silk, Real Estate Trust Co., Broad and Chestnut streets, Philadelphia. Brick, 1 story add., 32 feet 6 inches x 14 feet. Contract awarded to Philip Savan, 718 Snyder avenue, Philadelphia.

Factory Building, North side Wensley street, East of Brabant street, \$8,000. Owners, Mutual Rendering Co., Ontario and Brabant streets, Philadelphia. Plans filed. Contract awarded to Louis Rosengarten, Otis Building, Philadelphia.

Manufacturing Building, 237-39 North Watts street, Philadelphia, \$8,000. Owner, Frank P. Carr, 242 North Juniper street, Philadelphia. Brick, 2 stories, 35x38 feet. Plans

filed. Contract awarded to Carr & Courtney, 3025 Poplar street, Philadelphia.

Club (add. and alts.), 2222 Cedar street, Philadelphia, \$5,300. Architect, private plans. Owners, Holy Name Catholic Club, on premises. Brick, 2 stories add., 2 feet 6 inches x 7 feet, general alterations. Contract awarded to John Taylor & Son, 2628 Braddock street, Philadelphia.

Residence (alts.), 8415 Navahoe street, Philadelphia, \$4,000. Architect, private plans. Owner, Louis H. Tilgh, on premises. General alterations. Contract awarded to John Morrow, Germantown avenue and Pike street, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Almond street and others, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$11,717.19. Camac street and others, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$32,622.47. Comly street and Frontenac street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$26,578.72. Elmwood avenue, Ashford to Seventy-fifth, Barber Asphalt Co., 1600 Arch street, \$10,683.07. Godfrey avenue and Danger street, Barber Asphalt Co., 1600 Arch street, \$19,967.58. Loretta, Sanger to Oxford, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$14,455.56. Lyeom street, K to M street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$15,453.43. Nedro street, Twelfth and Thirteenth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$5,335.31. Spencer street and others, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$20,293.21. Acorn street and others, Root Brothers, Walnut lane, Manayunk, Philadelphia, \$36,707.32. Brous avenue and others, T. V. Monaghan, 5602 Rising Sun avenue, Philadelphia, \$11,731.35. Churchview street, Tower to Terrace street, Thomas Conner, 6313 Dicks avenue, Philadelphia, \$24,618.28. Wheel-pump lane and Whitemarsh street, R. B. Wenner, 2315 Walnut street, Philadelphia, \$3,640.54. McKean, Fifteenth, Eighteenth, Siegel, Nineteenth, Twentieth, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$26,927.83. Twenty-sixth, Reed to Dickinson, Twenty-eighth, Federal, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$16,179.65. Loretta street and others, Union Paving Co., Thirtieth and Locust streets, \$13,977.80. Tioga, Front to Second, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$13,868.25. Pig lead, S. Goldstein & Son, Allegheny and Richmond street, \$7,270. Section No. 3, Upper Delaware Sewage Disposal, J. & R. Lombardi, Lincoln Building, Philadelphia, \$763,845.

Club House, N. W. Corner Lehigh and Lawrence streets, Phila., \$19,000. Architect, pri-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

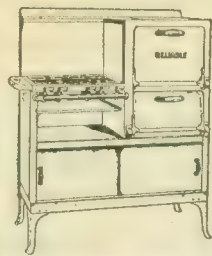
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet ired
well as samples of the Murp.

THE MURPHY DOOR I

512 Bulletin Building
Philadelphia
Penna.

Ben
19 W

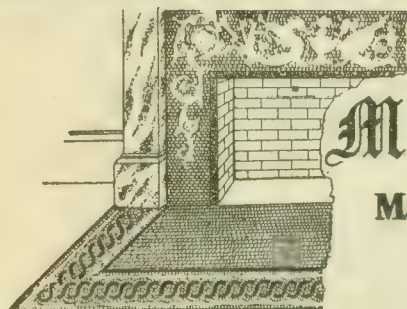
THERE IS ONLY ONE IN-A-DORBED
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

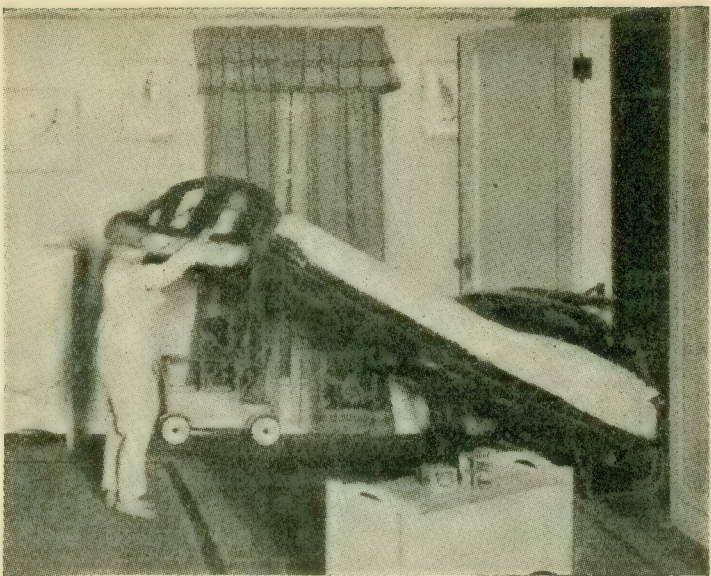
Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex lool

EDS

mes
ings
call at our
in kitchen
boards as
beds
CO.
y Building
44th Street
y York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX
rfaces

cks are beginning to show,
Truscon STONETEX.
and the concrete is spalling
stopped by the application

es it prevent moisture
lso covers the surface
es flat. It does not
e masonry.

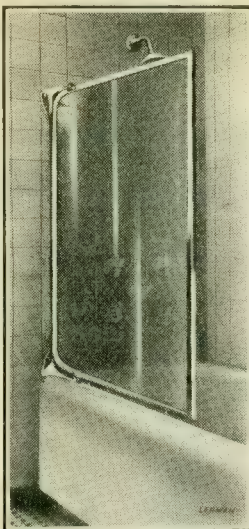


The Truscon Laboratories

1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS

TERRAZZO

CERAMICS

TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

vate plans. Owners, 33rd Ward Republican Club, on premises. Brick, 2 stories, 20x100 feet, steam heat, electric light. Contract awarded to J. L. Fawley, 1615 Spruce street, Phila.

Building (alts.), E. side 4th street, S. of Market street, Phila., \$10,000. Owners, American Title & Trust Co., Bourse Bldg., Phila. General alterations. Contract awarded to F. L. Hoover & Son, 1023 Cherry street, Phila.

Residences (3), E. side Oxford Pike, S. of Roosevelt Blvd., Phila. Architect, private plans. Owners, Lazowik Bros. & Sher., 310 Real Estate Trust Bldg., Phila. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors. Contract awarded to Weiss Const. Co., 201 Walnut street, Phila.

Store, 3220 Race streets, Phila., \$3,000. Architect, private plans. Owner, James Tolen, Wharton and Patton streets, Phila. Brick, 1 story, 46x26 feet, slag roof, pine floors, electric work. Contract awarded to Wilmer D. Green, 1819 Annin street, Phila.

Residence and Store (alts.), 2754 N. 11th street, Phila., \$2,500. Architect, private plans. Owner, Owen McLane, 1606 Widener Place, Phila. General alterations. Contract awarded to Herman Paternick, 2577 E. Huntingdon street.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship, it is going to miss by just that much the pulling power it ought to have.

EXPERT BLASTING

J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165
Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Pennsylvania Construction News

Filling Station, State Road and Arlington avenue, Highland Park, Pa. Owner, Upper Darby Motor Sales Co., Upper Darby, Pa. Hollow tile, stucco, cement floors, electric light. Owner will build.

Residences (3), Drexel Hill, Pa., \$28,000. Architect, private plans. Owner, John Arovitch, Drexel Hill, Pa. Stucco, 2½ stories, electric light, shingle roof, hardwood floors, tile work. Owner will build.

Twin Residences and Garages (60), Ellendale Road between Cheswald and Childs avenue, Lansdowne, Pa., \$282,000. Owner, Nelson G. Templeton, 2501 Marshall Road, Lansdowne, Pa. Brick, stucco, 2 stories, hot water heat, shingle roof, hardwood floors, electric light. Owner will build.

Residences (3), Wynnewood, Pa. Architect, Richard A. Kerns, 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Hollow tile, stucco, 2½ stories, shingle roof, brick, 2½ stories, slate roof, hardwood floors, tile work. Plans in progress.

Parish House, Hillcrest and Springfield, Springfield, Pa., \$35,000. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Protestant Episcopal Church of Redeemer, Rev. G. R. Bishop, Springfield, Pa. Plans in progress. Architect selected.

High and Grade Schools, Cornwall, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Cornwall School Board, H. Souder, Hazelton, Pa. Brick, steel, stone, 2 stories. Plans in progress.

Church and Sunday School, Hazelton, Pa. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Emmanuel Reformed Church, Rev. S. E. Stofflet, Hazelton, Pa. Brick, 1 and 2 stories. Plans in progress.

Residence, Springfield, Pa., \$50,000. Architect, Willis A. Hall, Upper Darby, Pa. Owner, E. T. Bartlett, president, Springfield National Bank, Springfield, Pa. Stone, 2½ stories, 70x30 feet, wing 25x50 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress. Owner will build and will be ready for sub-bids in two weeks.

Residence (alts.), 912 Linden street, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Dr. P. Ramer, care of architects. Asphalt roof, linoleum floors, terra cotta, cement cast stone, electric light, metal lath, tile work, general alterations. Architects ready for bids.

Theatre and Stores, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, H. Friedman, care of ar-

chitect. Brick, steel, 1 and 2 stories, 230x35 feet, slag roof, hardwood, composition and cement floors, ventilators, bronze work, tile and marble, vapor heat, electric light. Architect ready for sub-bids.

Residence, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Charles Eolich, 15 South Fifth street, Allentown, Pa. Stone, stucco, 2½ stories, 35x35 feet, slag roof, hardwood floors. Architects ready for bids.

Publishing House, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Globe-Times, H. Farquahr, Broadhead and Fourth streets, Bethlehem, Pa. Fireproof, 3 and 4 stories, 50x200 feet, slag roof, reinforced concrete and mezzanine floors, hollow tile, roof ventilators, metal window guards, metal weather strip, waterproofing and damp-proofing, vault, Indiana limestone, ornamental iron, iron stairs, fire doors, skylights, steel sash, tile and marble, metal lath, vapor heat, electric light, bond. Revised plans in progress. Will be ready for bids soon.

Bank, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., care of architects. Brick, steel, stone, 1 story, 16x94 feet. Architects will be ready for bids in one week.

High School, Grade School and School (alts.), Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Owners taking bids due May 27th.

Glen-Nor High School, South avenue, Sylvan and Trites, Glenolden. Architect, Clarence W. Brazier, Crozer Building, Chester, Pa. Owners, Boroughs of Glenolden and Norwood School Boards, Glenolden, Pa. Brick, reinforced concrete, steel, 2 stories and basement, 70x30 feet (plumbing, heating, electric, ventilating separate), slag roof, cement and maple floors, hollow tile, safety treads, metal weather strip, metal ceiling, ornamental iron work, iron stairs, kalamein doors, rolled steel sash, metal lath. Owners taking bids due June 7th, 5 P. M. (Daylight Saving Time).

School, North Wales, Pa. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Board of Education, North Wales, Pa. Brick, reinforced concrete, steel, 1 story and basement, 248x78 feet, wing 65x60 feet (plumbing, heating, electric separate), composition roof, pine and cement floors, metal weather strip, damp-proofing, cast stone, cinder concrete block, ornamental iron work, iron stairs, wood casement windows, kalamein doors, metal lath, tile work, linoleum floors. Owners taking new bids due May 23rd.

Church, Montgomery, Pa. Architect, F. Arthur Rianhard, Masonic Temple, Williamsport, Pa. Owners, Evangelical Lutheran Church, Montgomery, Pa. Architect taking bids due May 19th.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Residence, Stewart avenue, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Ed Shinn, care of architect. Stone, frame, 2½ stories, 25x44 feet, creosote shingle roof and siding, hardwood floors, electric light, hot water heat, metal lath, tile work, garage, 1 story, 10x18 feet, cement work. Architect taking bids due May 21st at noon.

School, Glenolden, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Education, Glenolden, Pa. Brick, cut stone, steel, slag roof, maple and cement floors, hollow tile, metal ceilings, dampproofing, metal lath, tile work. Owners taking new bids on general construction due June 7th. Contract on following items awarded: Heating, H. Hutchinson, 1020 Callowhill street, Philadelphia, \$5,620; electric, Jesse C. Marshall, Moore, Pa., \$1,988; plumbing, Fred Walls, Bonsall street, Glenolden, Pa., \$2,184.

Power House (alts. and add.), Indiana, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Indiana State Normal School, Dr. C. R. Foster, Principal, Indiana, Pa. General alterations and additions. Certified check, 5 per cent of bid. Deposit of \$25. Owners taking bids due June 2nd at 1 P. M.

Installation of Boiler and Accessories to Power House, Indiana, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Indiana State Normal School, Dr. C. R. Foster, Principal, Indiana, Pa. Certified check, \$10,000. Deposit, \$25. Owners taking bids due June 2nd at 1 P. M.

Portable Schools, Barren Hill, Pa. Owners, Whitmarsh Township School Board, M. W. Detwiler, Lafayette Hill. Painting wood work, inside and out, of four portable schools in district. Owners taking bids due June 6th.

Laundry, Lansdale, Pa. Architects, Franklin & Conner, Otis Building, Philadelphia. Owners, Lansdale Laundry, Lansdale, Pa. Brick, steel, 2 stories and basement, 47x45 feet, slag roof, cement floors, bond, ornamental iron work. Architects taking bids due May 20th.

Pumping Station and Grit Chamber, Chester, Pa. Engineer, R. C. Wheeler, Chester, Pa. Owners, City of Chester, G. J. Hunter, Department of Streets and Public Improvements, Chester, Pa. Lowest bidders: Ligon & Ligon, Baltimore, Md., \$172,422; Pitt Const. Co., Pittsburgh, Pa., \$182,800.

Gymnasium Building, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, School District, City of Reading, Administration Building, Reading, Pa. Lowest bidders: Tamaqua Const. Co., Tamaqua, Pa., \$194,777; Gorman & Frank, 6912 Market street, Upper Darby, Pa., \$218,000; heating, Corbit Brothers, Third and Oley streets, Reading, Pa., \$57,555; plumbing, West End Plumbing Co., Reading, Pa., \$33,000 electric, Reading Electric Co., 503 Penn street, Reading, \$7,800.

Specification No. 5371, Steel Stack, Fort Mifflin, Pa. Owners, United States Government, Navy Department, Washington, D. C. Owners taking bids due May 25th, 11 A. M. (Standard Time) for replacing self-supporting stack, 90¼ feet high, 2 feet 6 inches diameter, at the Naval Ammunition Depot, Fort Mifflin, Pa. Deposit, \$10, refunded.

Paving, Clifton Heights, Pa. Architects, Damon & Foster, 6932 Market street, Upper Darby, Pa. Owners, Borough of Clifton Heights, H. R. Jones, Clifton Heights, Pa. Bituminous macadam. Certified check, \$500. Owners taking bids due May 26th, 8 P. M. (Daylight Saving Time).

Paving, Folcroft, Pa. Engineer, A. H. Youcum, Darby, Pa. Owners, Borough of Folcroft, S. I. Handle, Folcroft, Pa. 8-inch bituminous penetrated macadam, 6-inch concrete gutter, Woodland avenue, Primos to Folcroft avenue. Owners taking bids due June 1st, 7 P. M. (Standard Time).

Bridge Repairs, Naylor Run, Delaware County, Pa. Engineer, G. Wright, Media, Pa. Owners, Delaware County Commissioners, Media, Pa. Concrete floor. Owners taking bids due May 31st, 11 A. M. (Daylight Saving Time). Deposit, \$5.00, refunded.

Bridge, Third and DeKalb streets, Bridgeport, Pa. Architect, private plans. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete, 150 feet wide. New plans drawn.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due May 27th, at 10 A. M. Plans, \$2.50 per set.

Berks County, R-146, Sec. 2, Mt. Penn Borough, 1,680 feet. One course reinforced concrete. Certified check, \$500.

Bucks County, A-4284, Springfield Township, 18,724 feet. Bituminous surface treated macadam. Certified check, \$1,500.

Butler County, R-246, A-4339-A, Jackson Township, Zelionople Borough, 13,174 feet. Two strips one course reinforced concrete, each one foot wide. Certified check, \$500.

Chester County, R-142, Sec. 5, Sadsbury and Valley Townships, 19,365 feet. One course reinforced concrete. Dual type. Certified check, \$3,000.

Clearfield County, R-59, Sec. 6, Sandy Township, 2,309 feet. One course reinforced concrete. Certified check, \$500.

Luzerne County, R-170, Sec. 2, Fairview and Hanover Townships, 7,795 feet. Grading and drainage. Certified check, \$4,000.

Luzerne County, A-3802, Black Creek Township, 25,220 feet. Bituminous surface treated macadam. Certified check, \$2,500.

Mifflin County, R-29, Derry Township, 3,157 feet. One course reinforced concrete. Certified check, \$1,000.

Mercer County, R-213, A-4100-3936-A, Sandy Creek and Perry Townships, Shoakleyville Borough, 12,865 feet. Two strips one course reinforced concrete each one foot wide. Certified check, \$500.

Monroe, Wayne and Lackawanna Counties, R-168, Sec. 2, Coolbaugh, Lehigh, Clifton, Cov-

ington and Roaring Brook Townships, 41,733 feet. One course reinforced concrete. Certified check, \$6,000.

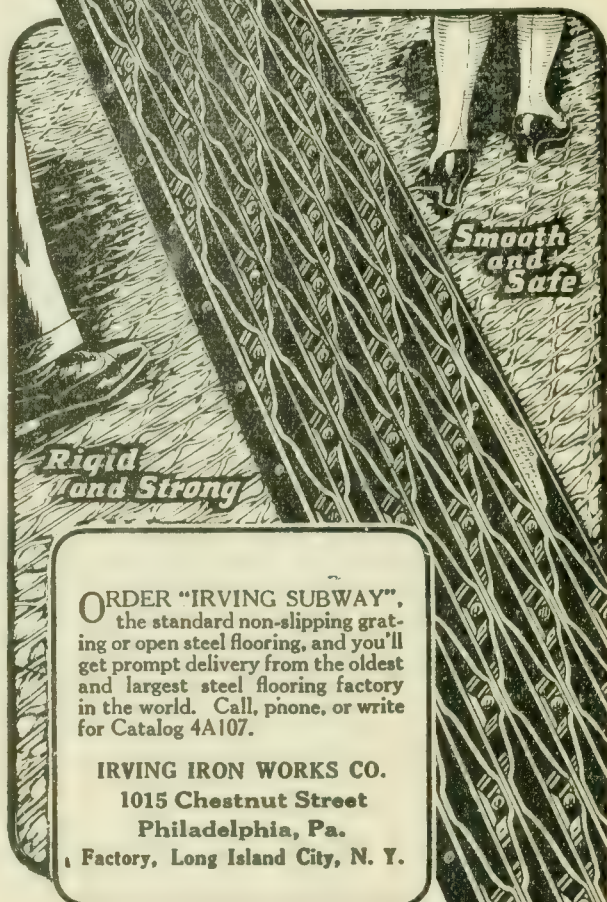
Montour and Northumberland Counties, R-2, Mahoning and Point Townships, 2,786 feet. One course reinforced concrete. Certified check, \$500.

Perry County, R-275, Watts, Buffalo and Howe Townships, 45,372 feet. One course reinforced concrete, 8,250 feet grading and drainage. Certified check, \$4,000.

Wayne County, R-6, Sec. 2, Canaan and Texas Townships, Waymart and Prompton Boroughs, 37,312 feet. One course reinforced concrete. Certified check, \$7,000.

Bridge, Route 280, over Chickies Creek,

Always-When You Need Gratings —



Smooth and Safe

Rigid and Strong

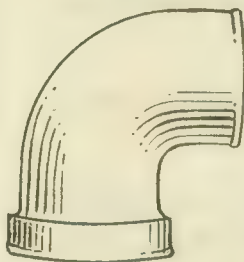
ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING

from **William H. Clausen**

Columbia 526-6527 27th and Diamond Streets, Philadelphia Park 4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

East Donegal and West Hempfield Townships, Lancaster County, according to plans S-460, (2) spans 159 feet, clear roadway 24 feet, plate girder, reinforced concrete floor and wearing surface, 3,741 feet approach fills, including grading and necessary drainage. Certified check, \$1,500.

Pennsylvania Contracts Awarded

Church, School Building, Philipsburg, Pa. Architects, Bureau of Architects, Methodist Episcopal Church, 1701 Arch street, Philadelphia. Owners, Trinity Methodist Episcopal Church, Philipsburg, Pa. (G. R. Evans). Stone, brick, cut stone, steel, 3 stories and basement, 115x68 feet, built-up and asbestos shingle roof, composition, maple and cement floors, plumbing, integral waterproofing, vapor heat, electric light, metal lath, hollow metal sash, kalamein doors, bond, ornamental iron work, floor hardener, steel partitions, steel vault doors, cast stone, flagstone, bluestone, area gratings. Contract awarded F. H. Wilson, Oakmont, Pa.

Residence, Indian Creek road, Lower Merion, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Edward S. McKaig, care of architect. Stone, cut stone, 2½ stories and basement, 84x20 feet, wing 48x44 feet, variegated slate roof, oak and pine and cement floors, metal lath, tile and marble work, bond, ornamental iron work, casement windows, damp-proofing, flagstone, linoleum floors. Contract awarded Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Residence, Wynnewood, Pa. Architect, Franklin D. Edmunds, Real Estate Trust Building, Philadelphia. Owner, Walter E. Linville, Land Title Building, Philadelphia. Stone, 2½ stories, 41x43 feet, painting, plastering, cement work, electric work, hardwood floors, tile work. Contract awarded J. E. Creamer, 98 East Lansdowne avenue, who is taking sub-bids on above item due at once.

Church (alts. and add.), Wyncote, Pa. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Calvary Church, Wyncote, Pa. Plumbing, electric work, plastering, tile and marble work, stone work, carpentry, mill work, steam heat. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia.

Pennsylvania State Highway Work. Fayette County, R-288-247, A-4253, Franklin and

Perry Townships. One course reinforced concrete. Contract awarded to J. I. Dick, Scottsdale, Pa., \$200,501.09.

Beaver County, R-243, Sec. 1A, Borough Township. Grading and drainage. Contract awarded to Rinehart Brothers, East Liverpool, O., \$35,424.26.

Berks County, A-3587-A, Robesonia and Bernville Boroughs, Heidelberg, North Heidelberg and Fenn Townships. One course reinforced concrete. \$166,824.40.

Lackawanna County, R-5, Moosic Borough. One course reinforced concrete. Contract awarded Tyler & Cole, Meshoppen, Pa., \$18,409.76.

Berks County, A-4427, Heidelberg Township. One course reinforced concrete. Contract awarded Swangler-Backler Co., Lancaster, Pa., \$33,519.70.

Northampton County, A-4549, Portland Borough. One course reinforced concrete. Contract awarded Collins & Maxwell, Inc., Easton, Pa., \$15,071.64.

Junior High School, (add.), Market street, Marcus Hook, Pa. Architects, The Ballinger Co., 12th and Chestnut streets, Phila. Owner, School Board of Marcus Hook, Pa. Owner taking bids. Contract awarded for heating (steam unit) to Mechanical Equipt. Co., 214 S. 12th street, Phila.

New Jersey Construction News

School (alts. and add.), Runnemede, N. J. Architects, Edwards & Greene, Camden, N. J. Owner, Board of Education Borough of Runnemede, T. L. Coley, Runnemede, N. J. Owner taking bids due May 27th, 8 P. M. (D. S. T.) Deposit of \$25.00 (cert. check) refunded.

Bank Building, Laurel Springs, N. J. Architects, C. R. Peddle and S. Wasserman, 136 South Fourth street, Philadelphia. Owners, Laurel Springs Bank, Laurel Springs, N. J. Stone, 1 story, basement and mezzanine, 36x42 feet, slag roof, vapor heat, plumbing, electric light, tile and marble work, oak trim for bank. Plans in progress.

Stores and Moving Picture Theatre, Mt. Ephraim, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Steel, brick, 2 stories, 70x125 feet, slag roof. Preliminary plans in progress.

Apartment, Forty-second and Crescent streets, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner,

name withheld. Brick, 2 stories, 50x60 feet, slag roof. Preliminary plans in progress.

Group of Houses (12), Twenty-eighth and Westfield avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Brick, stucco, 2 stories, 25x22 feet each, slate or shingle roof, central heat, electric light. Plans in progress.

Apartment (16), White Horse pike, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Brick, 2 stories, 90x120 feet. Preliminary plans in progress.

Fire House, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Hightstown, N. J. Owners, Borough of Hightstown, Hightstown, N. J. Stone, cinder block, steel, 2 stories, 60x110 feet, slate roof, concrete and linoleum floors, hollow tile, roof ventilators, waterproofing and damp-proofing, iron stairs, fire doors, steel sash and skylights, tile work, metal lath, vapor heat, electric light. Owners taking bids due June 1st.

Mercerville School (add.), Hamilton Township, Mercer County, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood School, Trenton, N. J. Brick, 2 stories, 12x63 feet, tin roof, cement floors, roof ventilators, waterproofing, fire escape, metal partitions, electric work. Owners taking bids due June 1st.

Power House and Laundry, Mt. Ephraim avenue, Atlantic avenue, Camden, N. J. Engineer, F. F. Kauffman, 13 North Thirteenth street, Philadelphia. Owners, West Jersey Homeopathic Hospital, Camden, N. J. Reinforced concrete, hollow block, brick, steel, 2 stories and basement, 1 story and basement, 50x40 feet, 75x75 feet, built-up roof, cement floors, rolled steel sash, steel doors, bond. Owners taking bids due May 23rd.

School, Wildwood Crest, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, Wildwood Crest, N. J. Ready for bids June 1st.

Work House, Lakeland, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Board of Chosen Freeholders, Camden, N. J. All bids rejected. Will take new bids.

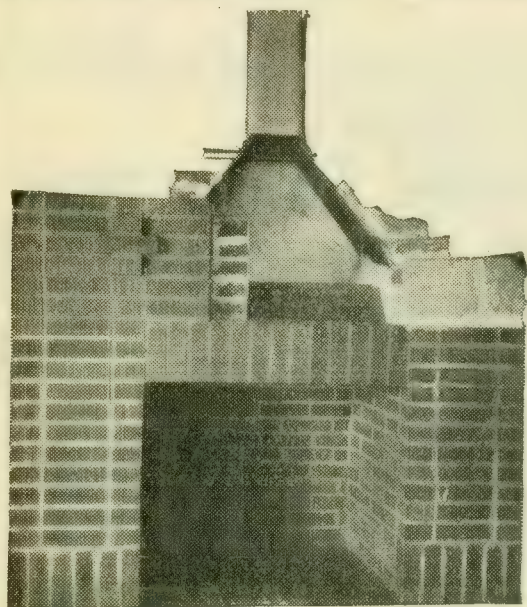
Armory, Trenton, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, Trenton Armory, Quartermaster General, Trenton, N. J. Brick, 2 stories, 92x51 feet, slate roof, wood, cement, concrete and tile floors, waterproofing and damp-proofing, cinder concrete block, tile work. Architects will be ready for bids next week.

Service Building, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, care of W. Schulte, 446 Bellevue avenue, Trenton, N. J. Brick, steel, 2 stories, 58x74 feet, composition roof, composition floors, partitions, roof ventilators, cut stone, iron stairs, casement windows, tile and marble. Architects ready for bids.

Dormitory, Leesburg, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, State Prison Farm, Trenton, N. J. Cement block, frame, 1 story, 194x23 feet, 34x45 feet, asbestos shingle roof, cement floors, roof ventilators. Owners taking sub-bids.

Dining Hall and Kitchen, Leesburg, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, State Prison Farm, Trenton, N. J. Cement block, frame, 1 story, 127x26 feet, 39x47 feet, asbestos shingle roof, cement floors, roof ventilators, electric work. Owners taking sub-bids.

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 2467 W

WM. N. BLACKBURN

317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

Residences (6), 800-10 Beidemann avenue, Camden, N. J., \$21,000. Architect, private plans. Owner, Anthony Wacnik, Northwest Corner Sixtyxh and Kaighn avenue, Camden, N. J. Block, 2 stories, 16x30 feet, slag roof, pine floors, hot air heat, electric light. Permit issued.

Residences (2), 3321-23 Saunders street, Trenton, N. J., \$10,000. Architect, private plans. Owner, Edward Christopherson, 603 North Thirty-second street, Camden, N. J. Frame, 2 stories, 15x45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), 827-29 North Thirty-second street, Camden, N. J., \$7,200. Architect, private plans. Owners, Arllen & Renner, 2721 Lincoln avenue, Camden, N. J. Frame, 2 stories, 14x46 feet, slag roof, pine floors, warm air heat, electric light. Permit issued.

Miscellaneous Work, Maple Shade, N. J. Low bidders. Engineers, Remington & Vossbury, 509 Cooper street, Camden, N. J. Owners, Township Committee, Chester Township, S. T. Willis, Maple Shade. Paving, F. Canuso & Son, 804 South Twelfth street, Philadelphia, No. 1, \$60,902.50; No. 2, \$61,802.50. Sidewalks, Tomaso & Contoni, Philadelphia, 19 3/4 cents square foot; Palmyra Concrete Co., Palmyra, N. J., 19 3/4 cents square foot. Storm sewer, bids not yet scheduled.

112th Field Artillery Armory Building, Atlantic City, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey Military Board, Department of Institutions and Agencies, Trenton, N. J. Brick, reinforced concrete, limestone, granite, steel, 2 stories, 269x143 feet, asbestos built-up roof, cement and pine floors, hollow tile, metal window guards, wood piling, membrane and integral waterproofing, steel lockers, ornamental iron, casement windows, iron stairs, bond, kalamein doors, steel sash, tile work, metal lath. Lowest bidders: Wilbert Beaumont, 1 South Tennessee avenue, Atlantic City, N. J., \$169,000; plumbing, William J. Crane, 322 Atlantic avenue, Atlantic City, N. J., \$9,275; heating, David Moore, 1207 Commerce avenue, Atlantic City, N. J., \$8,969; electric, Gruen Electrical Co., 128 North Maine avenue, Atlantic City, N. J., \$5,100.

Infirmiry Building (add.), New Jersey Sanatorium for Tuberculosis Diseases, Glen Gardner, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, reinforced concrete, limestone, steel, 3 stories and basement, 34x77 feet, tin and copper roof, composition and cement floors, hollow tile, waterproofing, metal partitions, area gratings, ornamental iron, iron stairs, floor hardener, bond, hollow metal and kalamein doors, tile and marble, metal lath. Lowest bidders: Van Doren & Emens, New Brunswick, N. J., \$162,000; plumbing, W. H. Jacobson, Belleville, N. J., \$7,875; electric, Clementon Electric Co., Clementon, N. J., \$5,343. No heating bids.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 7, Section 9, Adelpia-Aldrich road, Monmouth County. Low bidder: Edward H. Ellis, Wilson Building, Camden, N. J., \$309,224.10.

New Jersey Contracts Awarded

Hosiery Building, Berlin, N. J. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owner, name withheld. Brick, 1 story and basement, 107x131 feet, slag roof, celotex, unit steam heat, metal sash, plumbing, cement, elevator, metal toilet partitions, cabinet and mill work. Contract awarded William F. Lotz, Frankford and Oxford avenues, Philadelphia.

Theatre, Albans road and Mt. Ephraim pike, Fairview, N. J. Architect, J. Herbert Radey, 723 Haddon avenue, Collingswood, N. J. Owner, S. Levick, Bankers' Trust Building, Philadelphia. Brick, steel, 1,200 seating capacity, electric light. Contract awarded J. B. Hill, Collingswood, N. J.

Bridge, near Fox's Corner, Clementon Township, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Board of Chosen Freeholders, Camden County, C. L. Brehm. Lengthening bridge, 10-foot span, concrete arch to be 66 feet to out. Contract awarded Hill Const. Co., Mt. Holly, N. J., \$11,900.

Market House, Absecon Boulevard, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City. Owners, Atlantic City, Louis Kiehnoe, Commissioner, Atlantic City. Brick, steel, 1 story, 180x50 feet, slag roof, concrete floors, roof ventilators, steel sash, electric light. Contract awarded to S. H. Headley, Guarantee Trust Building, Atlantic City, N. J.

Office (alts.), 42 West State street, Trenton, N. J. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owner, Dr. E. H. Peplow, on premises. General alterations, hardwood floors, electric work, tile and marble. Contract awarded to Harrison & Fisher, 242 Cuyler street, Trenton, N. J.

Apartment House, 311 Cooper street, Camden, N. J., \$30,000. Architect, H. E. Hall, 218 Weikel avenue, Merchantville, N. J. Owners, Sedgwin Realty Co., Camden, N. J. Brick, 3 stories, 29x96 feet, slag roof, hot water heat, electric work. Contract awarded to M. W. Cooperson, 550 Federal street, Camden, N. J.

Residences (14), 2835-61 Congress road, Camden, N. J., \$49,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, Bella Villa Corporation, Camden, N. J. Brick, 2 stories, 15x37 feet, slag roof, pine floors, hot water heat. Contract awarded Santi Mantini, 333 Clinton street, Camden, N. J.

Residence, 211 North Thirty-second street, Camden, N. J., \$6,600. Architect, private plans. Owner, George J. Bingermann, 13 South Thirty-third street, Camden, N. J. Block, stucco, 2 stories, 22x32 feet, slate surface roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Ashton D. Berry, Merchantville, N. J.

Residence, 759 Fairview street, Camden, N. J., \$4,000. Architect, private plans. Owner, Adolph Gall, 710 Fairview street, Camden, N. J. Brick, 2 stories, 15x45 feet, slag roof, hot water heat, electric light, pine floors. Contract awarded to B. P. Barracliff, 39 East Greenwood avenue, Oaklyn, N. J.

Residences (6), 718-22 Sycamore street and 717-21 Baxter street, Camden, \$27,000. Architect, private plans. Owner, M. Snyder, Camden, N. J. Block, 2 stories, 12x32 feet, 12x24

feet, rubberoid roof, pine floors, warm air heat, electric light. Contract awarded to Steve Waselewski, 1305 West Eldredge avenue, West Collingswood, N. J.

Building, 3151 River avenue, Camden, N. J., \$5,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, John Rassa, 3419 River avenue, Camden, N. J. Block, 2 stories, 35x60 feet, slag roof, hot water heat, electric work. Contract awarded to Harry Bowman National Park N. J.

Miscellaneous Construction News

Residence, Camden, S. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, T. McKee Graham, Camden, S. C. Frame, 2 stories, shingle roof, hardwood floors, plumbing, electric light, tile work. Plans in progress.

Church, Cuyahoga, Ohio. Architects, Charles W. Bolton & Son, 1329 Race street, Philadelphia. Owners, Bethany Reformed Church, Cuyahoga, Ohio. Stone, 1 story, slate roof, maple floors. Plans in progress.

Church, Cambridge, Ohio. Architects, C. W. Bolton & Son, 1329 Race street, Philadelphia. Owners, First Methodist Episcopal Church, Cambridge, Ohio. Stone, 1 story, slate roof, maple floors. Plans in progress.

Residence and Garage, near Wilmington, Del. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, F. W. Pickard, Wilmington, Del. Stone, 2 stories, 120x40 feet, wing 25x100 feet, slate roof, hardwood floors, hot water heat, electric light,

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel
FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.
5th and Market Streets, Camden, N. J.
BELL PHONE, CAMDEN 3210
KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

tile work. Plans about completed. Ready for bids in a week.

Residence and Garage, Newark, Del. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, B. F. Proud, care of architect. Stone and frame, cut stone, 2½ stories and basement, 57x20 feet, wing 30x20 feet, garage, 28x26 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, bond, ornamental iron work, area gratings. Architect taking bids due May 21st.

New Weave Building and Mill Add., Woodruff, S. C. Architects, Lockwood-Greene Co., Inc., Johnston Building, Charlotte, N. C. Owners, Mills Mill No. 2, on premises. Brick, steel, reinforced concrete, 2 stories and basement, 127x160 feet, 1 story and basement, 199x303 feet, slag roof, cement and maple floors, plumbing, waterproofing, metal lath, rolled steel sash and skylights, fire doors, ornamental iron work, wrought iron pipe, metal toilet partitions. Architects taking bids due May 19th.

Construction operations continue to maintain a record-breaking pace. The volume of work handled last month was the greatest ever recorded for the month of April, according to statistics compiled by the Associated General Contractors of America.

Last month's volume showed a 23 per cent. increase over the March figure and stood 10 per cent. above the mark registered for April of last year.

In addition, the total volume of operations carried on during the first four months of this year is 5 per cent. greater than the volume credited to the corresponding period of 1926.

An index which places the 1913 average on the 100 mark as its basis, shows last month's volume to have reached the 166 level. The figures for the month of April of other years are: 1921, 73; 1922, 130; 1923, 156; 1924, 147; 1925, 152; 1926, 151.

The greatest volume on record for any single month was built up in July, 1926, when the 228 plane was reached.

Only a comparatively small rise during the current month will be needed to place the mark for the first five months of 1927 well above any figure previously set during a corresponding period.

ELECTRICAL SCIENCE VENTILATES MODERN HOME THROUGH KITCHEN

Small Ventilating Fan Exhausts Odors From Stove to Outside and Keeps House Clean

One of the best ways to ventilate the home is through the kitchen.

And electrical science, after years of study and experimentation, has developed a simple little device known as an electric exhaust fan which is conquering all the formerly formidable odors of frying or cooking onions, cabbage, cauliflower, fish and other smells from the griddle as well as giving the entire home real protection from air greases and poor ventilation.

The ventilation experts declare that this little exhaust fan for the kitchen will be as commonly used and as popular among the rank and file of intelligent housewives as the electric iron, the vacuum cleaner, the automatic washer and wringer and other electrical equipment which has largely eliminated drudgery in the household. And the use of ventilation of this sort is an application in the home of the most recent developments in the electrical control of air used extensively today by big industries, in efficiently operated schools, theatres, and public buildings, the experts say.

Both physicians and engineers seem to agree that few housewives have learned to use their windows with sufficient skill and regularity to overcome the flood of smells and gases that the kitchen pours into the dining room. Window ventilation cannot be controlled with any certainty or regularity as air supply can be by electricity, it is pointed out. Ventilation should be provided for just like heating or lighting in the home and the way now is simple and the cost slight.

An exhaust fan is just a special type of electric fan which is permanently installed high up in the wall of the kitchen, in an opening provided for it, so that in operation, the fan blows the air of the kitchen with all the smoke and steam, directly outdoors and away. This sets up an immediate circulation of air from the house into the kitchen and no more smells of cooking work their way out into the other rooms. The result is that boiling cabbage or fried onions do not greet the guests at the front door while a ham may be boiled, baked, and brought up to the full point of perfection and still be a surprise to the household, when it comes to the table. The air from the house flows to the kitchen but the kitchen air can never work its way into the house.

While this little mechanical product of electrical science is a complete cure for odors, it provides better working conditions for the cook by assuring improved ventilation and less heat in the summer. The economic housewife realizes, too, that this type of ventilation constitutes a real saving to decorations, hangings and furniture throughout the house by eliminating the fumes, smoke and soot which inevitably work their way from the cookstove and gradually deposit a film of grease on everything. Dust settles and dirt clings, ruining colors, fabrics and wall paper.

The exhaust fan may be installed in any kitchen. Sometimes a square opening is cut in the wall into which the fan fits. Sometimes a section of the upper sash of a window is taken out to avoid the cutting of the wall. Often the fan is fitted into a direct flue leading from the hood over the range into the chimney. To prevent the entrance of cold air into

the kitchen when the fan is not in use, a shutter is installed that opens automatically when the fan is in operation, blown open by the blast of air. The fan need be running only about three hours a day, the engineers say.

Why the home cannot be effectively ventilated by opening windows in the kitchen is indicated by the fact that the wind may be blowing the wrong way which would rush all the cookstove odors into the house. The draught also would interfere with the cooking and chill the overheated cook. If there was no breeze at all, there would not be a particle of ventilation.

MORE LIMESTONE BEING PRODUCED BY UNDERGROUND MINING METHODS

A marked tendency toward producing larger tonnages of limestone by underground mining methods instead of by the old established quarrying practices is very evident in the United States, the Bureau of Mines, Department of Commerce, points out. In the course of six months' time during which the subject was investigated by the Nonmetallic Minerals Experiment Station of the Bureau, at New Brunswick, N. J., the number of underground limestone mining projects was doubled. Some of these limestone mines are quite large, the maximum daily production from a single mine being 3,500 tons.

The enormous and constantly increasing demand for limestone to supply a multitude of uses is a remarkable feature of the mineral industries, states J. R. Thoenen, consulting mining engineer, Bureau of Mines, in a report on the subject. As approximately 130,000,000 tons of limestone are produced annually in the United States, it is not surprising that deposits at or near the surface are gradually being exhausted and that less advantageous supplies are being worked. Quarries are becoming deeper and wider year by year, and in many places the volume of overburden that must be removed to allow open-pit work is tremendous. Quarymen are also gradually learning how expensive it is to sort and clean stone from a deposit overlain by poor material.

As such conditions confront the limestone industry, the natural tendency is to seek some modification in method whereby the handicaps of increasing cost may be met and overcome. Operators, some of them unwillingly, have been forced to conclude that underground work in drifts and tunnels is the most logical solution of the problem. The unwillingness of some is largely due to unfamiliarity with mining and to the unfounded fear that costs must increase and dangers multiply when mining is undertaken.

The advantages of underground lime-

stone mining are summarized by Mr. Thoenen as follows:

Removal of large masses of overburden is avoided.

A mine may be operated the year round, irrespective of weather conditions, thus affording steady employment to workers and promoting contentment in the personnel and a low labor turnover.

Under certain conditions storage facilities can be provided underground more easily than on the surface and without deterioration of the product. The surplus produced when the demand is slack can be stored in anticipation of peak demands.

The clean stone produced at mines often commands a higher price than quarried stone. In fact, cleaning, at considerable expense, is often necessary to make the quarried product salable. Moreover, the limestone strata in mines are not exposed to the action of frost or water or mud washed from a clay overburden.

For fluxing, mined stone is cleaner both in lump and fine sizes than quarried stone.

A mine can be advanced to property lines regardless of such factors as extent of overburden, dip of strata, cavities, and surface conditions. Moreover, mines can be worked within city limits, where quarrying might be dangerous or be forbidden by ordinances.

The disadvantages of underground limestone mining may be thus summarized:

Some means of ventilation must be supplied to carry off fumes from explosives and furnish fresh air to workers.

There is danger from falling rock.

More fines are produced than in a quarry.

The type of labor required is more skilled, and therefore more expensive, than quarry labor.

Costs are in general higher than for quarries, but the difference may be counter-balanced by the higher quality of the product.

Limestone mining is a comparatively young but rapidly growing industry. Mining methods are applicable to all deposits underlying overburden that is too heavy to be removed or handled by open-pit methods. Factors that make mining possible are the presence of enough stone to warrant the expense of development, stone of a grade to satisfy market requirements as to quality and price and also strong enough to make adequate pillars. Strong roofs formed either by the stone itself or by overlying stratum are requisite.

Various methods of mining adapted from coal-mine, metal-mine, and open-quarry practice are in use as well as combinations of all three methods. The same statement applies to the placing of drill holes. The types of equipment used

underground are much like those in use at open quarries, except that churn drills can not be used.

There does not appear to be any greater danger in limestone mining than in metal mining if work is properly planned and carefully supervised. As many quarrymen lack information on mining methods, limestone mines need more skilled men and better technical direction than quarries. Although average mining costs are higher, many individual mines operate at lower cost than many open quarries.

The choice between mine and quarry depends upon local conditions, and a decision should be made only after careful study.

Results of a comprehensive investigation of the subject of underground limestone mining are contained in Bulletin 262, copies of which may be obtained from the Bureau of Mines, Department of Commerce, Washington, D. C.

PLATE GLASS FOR WINDOWS ADDS TO HOUSE VALUE

"It has only been in the last few years that plate glass has become a possibility for the small home owner to consider in the building of his house. Formerly its price was too prohibitive, limiting its use to the larger and more costly residence.

In England this is not the case. Plate glass windows are seen in the simpler cottages of the workingman, as well as in the showy dwelling of the wealthy.

Too frequently a man, when he considers the erection of a home, consults with his architect or builder on almost every point of building construction excepting the type of glass he is to look upon and through, as long as he lives in the house. This he takes for granted, with the result that sometimes a fine grade of window glass is specified, and he is fortunate. Again a poor grade of glass is installed, which does not wear well, never looks well, and altogether goes quite a way toward spoiling the general effect of the fenestration in his home.

At the present time, plate glass may be installed in small homes at any exceedingly small cost over the value of good window glass. Some of the smaller sizes which are used in cut-up sash are sold by the plate glass manufacturers at far less than the cost of production because these sizes accumulate and have to be sold at a sacrifice. It is a wise home builder who takes advantage of this situation. Where every expense is carefully scrutinized, it should be remembered that plate glass does not have to be used in all elevations. If the cost of the home is being kept within definite limits, plate glass can be used in the front elevation only, at a trifling extra cost. One of the great ad-

vantages of plate glass is its ground and polished surfaces which give the building in which it is glazed such an elegant appearance. Cellar windows, kitchen windows and closet windows on side and rear elevations need not be glazed with plate glass. These are primarily to admit light and are not to be looked on or through.

Again, if this expense of plate glass seems too prohibitive, there is a new product on the market, another advanced step made by plate glass industry to make this type of glass possible in the small home.

This new product, which embraces one-eighth inch plate glass, affords the same clarity of vision as real plate glass. Furthermore, it has the added advantage that it can be glazed in the regular one and three-eighths inch sash without any additional sash weight being necessary. It is the same weight as the double thick window glass, and the cost of putting this in is scarcely one-half of 1 per cent. more than ordinary good quality of window glass.

Has Many Advantages

There are several advantages to be claimed for plate glass besides the undoubted superior clarity of the vision it affords and the added beauty of the exterior and interior alike.

The resale value of the house would be improved by its installation and its durability is an item to consider. Plate Glass windows are strong, and because they are so, stand shocks, high wind pressure, and the like.

Another point to be mentioned, in homes where there is a great deal of fenestration, is that, while all glass is noninflammable and a safeguard against fire, plate glass is also fire resistant.

In the interior decoration of small homes plate glass is playing an increasingly important role. One way is through the popularly called leaded glass, which suggests the rich stained glass composition which illuminates the windows of libraries, churches, and many other types of public buildings.

In colonial homes clear leaded glass of dull designs is used in treatment of windows, front doors and hallway decorations. Panel designs also come in leaded or colored glass which can be used for stair landing windows as well as in dining rooms and living rooms.

THE COUNTRY HOME

Habits and Habitation

BY RAYMOND BROOKS

Ah yet, ere I descend into the grave,
May I a small house and large garden
have.

—Cowley.

Miss Jeams had an abiding terror. We all have, more or less, some secret hidden fear that we have carried with us from the cradle, and nurture in private all our

lives. In Miss Jeams' case it was burglars. Her soul shuddered at the thought that some night she might find protruding from beneath her bed the booted extremity of a porch-climber. Even if none such were visible she could not quite gain peace of mind until she had proven beyond all doubt that he was not concealed beneath, so, nightly, she took from her sewing basket a spool of thread and rolled it under. When it came out the other side her fears were set at rest.

For thirty years this was Miss Jeams' nightly practice, and then one night the spool failed to reappear. Cold terror seized her. She almost fled, but, gathering all her courage, she essayed another spool. This one came clear. The first was but lodged, and down went Miss Jeams on two stiff old knees to find it. Then she discovered something that changed the course of her life. The bed was too low to crawl under.

If there must be a moral to the story one might say that so, without thought, are habits formed, and so they stay until something extraordinary happens to change them. Centuries may have passed before man discovered it was possible to roast pig without burning his house down for an oven. Nor is this kind of foolishness the sole prerogative of other folks

and other days. It comes to as fine a head in the modern allotment as ever in centuries before.

The suburbanite, home from the city, turns his car into the trick drive without which no suburban home is complete and proceeds to the back of the lot where he is usually obliged to back and fill a few times, keeping a weary eye on the hedge and his wife's flower-beds before he can make the garage door.

There are easier ways to do it. One might put the garage on the front of the house, or at the very least, at a slight slant so that it would not be at right angles to the drive. But does the average builder or contractor or architect waste any thought on such things? Not in the least. They are far too much concerned with appearance to think of utility, and they will probably go on for many years placing the garage in the unhandiest possible manner at the back of the lot, for the simple reason that barns before them were always built that way. That was the only sanitary place for a barn, but horse-flies and odor are not among the drawbacks of an automobile.

Which way shall a house face? Under the present arrangement the garage and the gargage can, the clothes line and all the rest of the ugly necessities are in the

back, and the best front, like the lace curtains, decorates the street. In the old days, especially in quiet towns, there may have been some reason in building the living-rooms on the road so that one might see from the windows all there was of interest or excitement passing by. But who now-a-days looks out of windows for amusement? Why not decorate our kitchen stoops as best we may, convert our back yards into gardens and enjoy their solitude? There is something, when one stops to think about it, that is not altogether pleasing or dignified, or quite well-bred about displaying all the best of one's house to strangers on the street, and sacrificing the possibilities of quiet and charming privacy for ostentation. We are merely used to that way of building, that is all,—another habit.

Perhaps some day back yards will disappear in fact and name, and gardens take their place. Perhaps the trick drive will be shortened, the garage moved to the front, and its ugly doors made attractive by good design. When this change is made the living rooms can trade the noise of the street for a garden exposure, and yield to Bridget that part of the house she would, no doubt, much prefer, where she can keep an eye out for her friend, the policeman, and the passing of the baker's cart.—*Building Industry.*

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

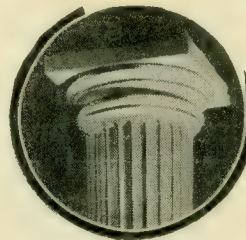
PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS
TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH FIRESAFE PLASTER LATH SHEETROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AREA GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING

Harding, J. H.....10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co., Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co.....1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp.20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co., Columbia and Howard St., Phila.

CAULKING

Sterling Products Co.831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

CURTIS WOODWORK

Gillingham Co., Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co., 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co., 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co., 1729 Sansom St., Phila.
Weber, F. Co., 125 S. 12th St., Phila.
Weil, J. H., Co., 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach CompanyGloucester, N. J.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co., Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N., Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N., Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co., 2313 Walnut St., Phila.
Selby Battersby & Co., 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H.27th and Diamond Sts., Phila.

FURNACES AND RANGES

Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co., Westmont, N. J.

GRATINGS

Irving Iron Works.....1015 Chestnut St., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W., 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co., Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co., Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co., 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co., Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.
Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co., Norris and Richmond Sts., Phila.
Ketcham, Howard, 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

MASON BUILDER

D'Lauro, John7732 Ardleigh St., Phila.
Mercaldo, Vincent, 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS

Phila. Meter Co., Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co., Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co.125 S. 12th St., Phila.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph, South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co., Drexel Bldg., Phila.

RANGES

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

REINFORCING BARS

Montgomery Iron & Steel Co., 2500 Duncan St., Phila.
Penn Steel Service Co., Fuller Bldg., Phila.
H. T. Potts & Co., Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp.20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.
John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE

Hood Tile Co., S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co., 2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co., Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America, 1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co., 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.
Roman Mosaic & Tile Co., 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

VERNEERS (Wood)

H. C. L. Miller1101 N. Front St., Phila.

WALL BOARD, COMPO BOARD

Ketcham, Howard, 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co.1911 N. 2nd St., Phila.
Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co., 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Seal-A-Void Co., 1126 So. 11th St., Phila.
Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Audubon Wire Cloth Co.Audubon, N. J.
Potts, Horace T., & Co., Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS

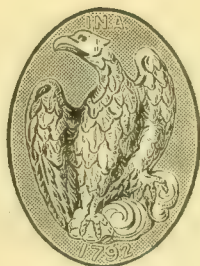
Phila. Daylight Co., Bourse Bldg., Phila.

WIRE AND WIRE WORK

Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS

H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

PHILADELPHIA

and the

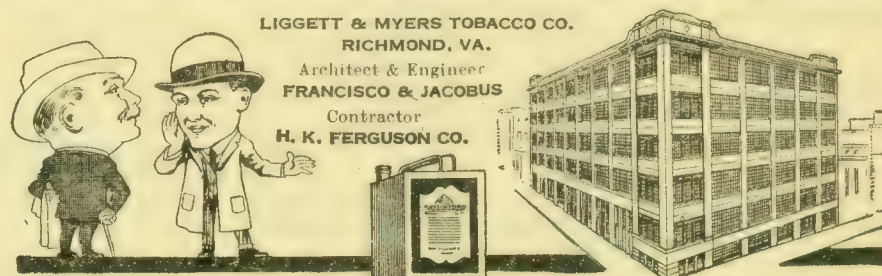
*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

Fatima Cigarettes Are Made In An "ANTI-HYDRO" Waterproofed Factory

The basement in the Liggett & Myers factory was *permanently* waterproofed and dampproofed in *one operation* and at one cost of less than 1 1/2 cents a square foot by using "ANTI-HYDRO" in the one-inch concrete floor topping.

Large bales of tobacco, which must be kept dry to prevent rotting, are stored in this basement. They weigh from 600 to 700 pounds and are continually trucked over the concrete floor. Since "ANTI-HYDRO" both hardens and waterproofs concrete at the same time, it protects the floor from wear as well as water.

"ANTI-HYDRO" is easy and economical to use. Being a liquid integral agent it mixes readily with the gauging water without the aid of skilled labor. Twenty-three years of continuous use on every type of concrete work has made "ANTI-HYDRO" the accepted standard. Use it on your next job for *guaranteed* satisfaction.



LIGGETT & MYERS TOBACCO CO.
RICHMOND, VA.
Architect & Engineer
FRANCISCO & JACOBUS
Contractor
H. K. FERGUSON CO.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

METAL CORNICES
AND
SKYLIGHTS

TILES

IN SPANISH
Closed Shingle
Red and Glazes

FELT, PITCH, SLAG

ROOFING

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 21
May 25, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

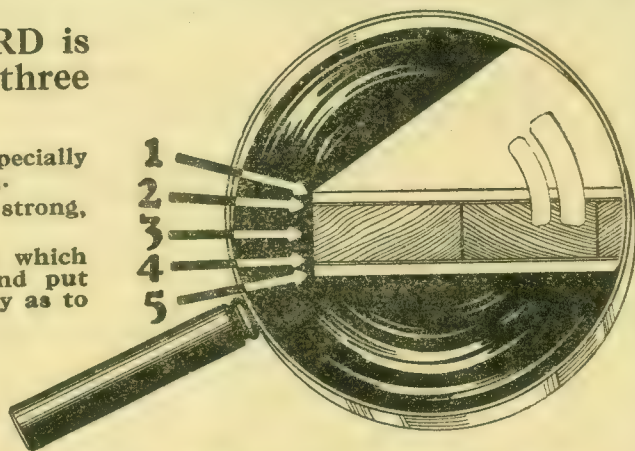
"P. G." Plaster of Paris

"Gyproc" Joint Filler

"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Workmanship—

is something that no Engineer,
Architect, or owner has ever been
able to specify and get in.

It can only be done by careful
selection—selecting us will clear that
point up.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL
STONE
ORE
COKE
SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse: 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.
1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.



LOW PRESSURE Electric Refrigeration by *Welsbach*

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia



ONE BAG TILTER NOW AT HALF BAG PRICE

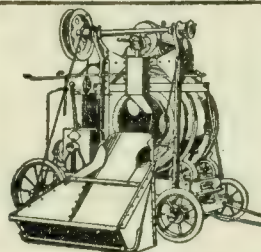
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

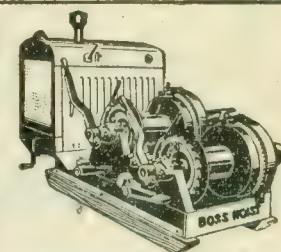
ING

\$135

UP

FORDSON

WINCHES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

**BRICK and STEEL
Sales Co.**

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many types of sash can be filled from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street

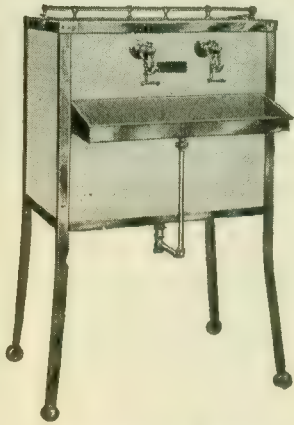


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our showroom before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 21

PHILADELPHIA
May 25, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Convent (alts. and add.), Keystone and Unruh streets, Tacony, Pa. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Church, on premises. Brick, 3 stories. Plans in progress.

Steam Heating Plant, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Philadelphia Steam Heating Plant, care of E. H. Reuss, Jr., Thirtieth and Race streets. To service for Broad street to Fortieth, Girard to Pine street. Work contemplated. To start work in two years.

Store Building, 4622-24 Frankford avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Loux Furniture Co., 623 Market street, Philadelphia. Stone, limestone front, brick, 2 stories and basement, 33x130 feet, slag roof, maple floors, freight elevator, electric light, metal lath. Plans completed. Architect ready for bids in one week.

Apartment House, Forty-seventh and Warrington avenue, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Brown & Sons, on premises. Brick, steel, stone trim, 4 stories, 48x120 feet, 44 apartments, slag roof, vapor heat, electric light, tile work, marble wainscoting, metal doors, hardwood floors, electric elevators, kitchen and laundry equipment, door beds, incinerator, dumb waiters. Owners will be ready for sub-bids in a few days.

School (add.), Holmesburg, Philadelphia. Architect, G. C. Freeman, Liberty Bank

Building, Reading, Pa. Owners, St. Dominic's Roman Catholic Church, Rt. Rev. D. Cardinal Dougherty, 225 North Eighteenth street, Philadelphia. Stone, 2 stories, 35x50 feet, slate roof, duraflex floors, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, steel skylights, metal lath, heating extension, electric light. Architect ready for bids.

Residences (26) Fifty-seventh and Elmwood avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, A. C. McHugh, care of Mrs. F. C. Dougherty, 5144 Walnut street, Philadelphia. Brick, mineral stucco, 2 stories, 16x30 feet, hot water heat, electric light, tile work, slag roof, hardwood and pine floors, cement work, basement garages, metal skylights. Owner taking sub-bids.

Lodge Building (alts.), 1336 Spring Garden street, Philadelphia. Architect, private plans. Owners, Fraternal Order of Eagles, 1336 Spring Garden street. Brick work, cement work, steel and iron work, plastering, carpentry and mill work, hardware, composition floors, painting and glazing, dumb waiter, plumbing, marble work, metal lath, electric work, steam heat (alts.). Owners taking bids due May 28th.

Apartment House, Penn and Baynton streets, Philadelphia. Architect, private plans. Owner, Albert Greenfield, Bankers' Trust Building, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 36x70 feet, slag roof,

oak and pine floors, steam heat, electric light, tile work, metal lath, bond, ornamental iron work, architectural terra cotta. Architect taking bids due as soon as possible.

Pavement in Laundry Yard, Girard College, Corinthian and Girard avenues, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Girard College, on premises. Reinforced concrete, cement work, 90x30 feet, waterproofing. Engineers taking bids due May 26th.

Lamp Room, Reading Terminal, Twelfth and Market streets, Philadelphia. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Co., Twelfth and Market streets, Philadelphia. Hollow tile, steel, 17x11 feet. Owners taking bids due May 26th.

Nurses' Home (alts. and add.), Chestnut Hill, Pa. Architects, Bissell & Sinkler, 1520 Locust street, Philadelphia. Owners, Home for Consumptives, Protestant Episcopal City Mission, on premises. Brick, cut stone, concrete, steel, stone, 2 stories and basement, 29x34 feet, tin and single roof, pine and canvas floors, plumbing, metal lath, tile and terrazzo work, bond, ornamental iron work, wrought iron pipe, superintendent's house. Architects taking bids due May 26th.

Bank Building, 5604 North Fifth street, Philadelphia. Architects, Simons, Brittain & English, 929 Chestnut street, Philadelphia. Owners, National Bank of Olney, on premises. Limestone, hollow tile, steel, brick, 1 story

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on

CAULKING

or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

and mezzanine, 32x100 feet, hot water heat, oil burner, electric light, tile and marble work, concrete floors, bronze work. Architects taking bids due June 1st.

Apartment House, South side Pine, between Forty-seventh and Forty-eighth streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Herman, Bobbs & Pepper, 4945 Sansom street, Philadelphia. Brick, steel, stone, cast stone, 4 stories and basement, 1 wing first of three to be built, 58x102 feet, 28 apartments, slag roof, hardwood, tile floors, vapor vacuum heat, two oil burners, electric light, metal lath, steel sash, fire tower, metal doors, ornamental iron work, insulation copper ventilators, kitchen and laundry equipment, Murphy beds, automatic elevators. Owners ready for sub-bids at office or on site of job due as soon as possible.

Lawndale Theatre, Stores (7), Apartments (7), Rising Sun and Oxford pike, Cottman street, Philadelphia. Architects (associate), The Ballinger Co. and W. Ellis Groben, Twelfth and Chestnut streets, Philadelphia. Owners, Oxford Theatre Corporation, care of T. Kirmse, 6500 Rising Sun avenue. Theatre, brick, hollow tile, architectural terra cotta, ornamental iron work, steel, 180x215 feet, seating capacity 2000, slag roof, mechanical heating, ventilating and cooling system, store and apartment, 2 stories, brick, 20x45 feet, hardwood and cement floors, steam heat, electric light, slag roof. Architects taking bids due May 27th at noon.

Building (alts. and add.), 711 Sansom street, Philadelphia. Architect, private plans. Owners, Cooper Brothers, on premises. New 3-story front, limestone, cast stone, plate glass, marble work, sprinkler system, concrete work, structural steel, iron work, area gratings, repairs slag roof, carpentry and mill work, plastering, metal lath, painting and glazing, metal weather strip, hardware, terrazzo work, skylights, metal ceilings, plumbing, wrought iron pipe, hot water heat, electric work. Owners taking bids due May 26th.

Building, 1921 Chestnut street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, name withheld. Architect taking bids due May 27th.

Residences (6), North side Fuller street, West of Loretta street, \$24,000. Architect, private plans. Owners, Louis Leitenberger Sons, 1905 Cottman street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences and Stores (3), 6904-06-08 Torresdale avenue, \$18,000. Architect, private plans. Owner, E. Clifford Durell, 1713 North Twenty-fourth street, Philadelphia. Brick, 2 stories, 17 feet 6 inches x 60 feet, slag roof, electric light. Permit issued.

Church (add.), 257-59 West Wyoming avenue, Philadelphia, \$3,000. Owners, care of Rev. V. F. M. Fahl, 259 West Wyoming avenue, Philadelphia. Stone, 1 story add., 28x43 feet. Permit issued.

Residences (58), McMahon and Woodlawn avenues, Musgrave street, Philadelphia, \$4,500 each. Architect, private plans. Owner, George W. Weinrott, 215 Public Ledger Building, Philadelphia. Brick, 2 stories, (50) 15x31 feet, 12x13 feet, (8) 16x44 feet, slag roof, hardwood and pine floors, hot water heat. Permit issued.

Residences (6), South side Hermitage street, East of Silverwood street, \$24,000. Architect, private plans. Owner, Joseph W. Hyde, 357 Lyceum avenue, Philadelphia. Brick, 2 stories, 16x35 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Service Station, Southeast Corner Chew and Montana streets, Philadelphia, \$10,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x15 feet. Permit issued.

Service Station, Southeast Corner Sixty-ninth avenue and York road, Philadelphia, \$10,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 20x15 feet. Permit issued.

Store Building (alts.), 1514 Market street, Philadelphia, \$5,000. Agents, Heyman & Bro., 213 South Broad street, Philadelphia. Owners, Fidelity-Philadelphia Trust Co., Fourth and Chestnut streets. General alterations. Permit issued.

Residences (2), South side Gilham street, East of Newton street, \$10,000. Architect, private plans. Owner, Clarence C. Campbell, 6419 Bingham street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 41 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, South side Oregon avenue, West of Front street, Philadelphia, \$5,000. Architect, private plans. Owner, Gus Kohlenberg, Front and Oregon avenue, Philadelphia. Brick, 1 story, 50x80 feet, slag roof, cement floors. Permit issued.

Garage, Northeast Corner Fifty-second and Cedar avenue, Philadelphia, \$40,000. Architect, private plans. Owners, Pepper & Wiener, 1634 South Fifty-eighth street, Philadelphia. Brick, 2 stories, 120x100 feet, slag roof, cement floors, electric light. Permit issued.

Shop, Southwest Corner Mascher and Duncannon streets, Philadelphia, \$20,000. Architect, private plans. Owners, Olney Foundry Co., 180 West Duncannon street, Philadelphia. Brick, 1 story, 60x80 feet, 40x14 feet. Permit issued.

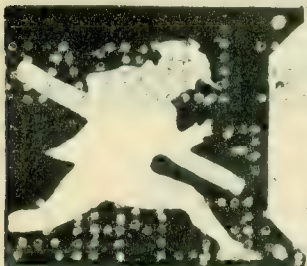
Store, Northwest Corner Longshore street and Torresdale avenue, Philadelphia, \$14,000. Architect, private plans. Owner, E. Clifford Durell, 1713 North Twenty-fourth street, Philadelphia. Brick, 1 story, 42x80 feet, slag roof, electric light. Permit issued.

Contract No. 164, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Repaving Broad street, from Butler street to Lycoming street. Certified check, 5 per cent. Deposit, \$10 (refund). Owners taking bids due May 27th at 11 A. M. (Eastern Standard Time).

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Street Cleaning, 332 City Hall. Owners taking bids due May 26th, 11 A. M. (Standard Time). Certified check, 5 per cent. Galvanized enclosure over runway at garbage reduction plant, Forty-ninth and Gray's avenue, Philadelphia.

Pennsylvania Railroad Work, C. E. Walsh, Purchasing Agent, 15 North Thirty-second street, Philadelphia. Owners taking bids due June 2nd at noon (Standard Time). No. 57, steel shapes. No. 58, paints of various grades.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Wa-



Good Work

Quick Service

BLUE PRINT SHOP

Bull Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



ter, 216 City Hall. Owners taking bids due May 31st, 11 A. M. Certified check, 5 per cent. No. 862, steel pump chamber for holly, Lardner's Point Pumping Station. No. 872, motor drives for Cox stokers. No. 880, filter sand and gravel, Torresdale Preliminary F. P. No. 881, furnish and lay 6, 8, 12-inch C. I. water pipe. No. 882, replacement of cornice, Torresdale P. S. No. 883, electric wiring, stoker motor, Queen Lane P. S.

Contract No. 190, Sidewalk Restoration, Broad and Noble streets, Stiles street. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: McCormick-Lenham, Broad and Tasker, \$36,911; Hymowitz & Co., 317 South Sixth street, Philadelphia, \$39,812.50.

Club, N. E. Cor. 39th and Delancey Sts., Phila., \$70,000. Owner, Delta Kappa Chapter, on premises. Stone, brick, 3 stories, 28x44 feet, plumbing, heating, electric work, carpentry and millwork. Contract awarded to John R. Erbe, 2551 N. Sixth street, Philadelphia.

Hotel and Stores, 10th street, below Chestnut street, Phila. Architect, William L. Charr, Victory Building, Phila. Owner, care of architect. Steel, stone, brick, 12 stories, irregular in size, steam heat, slag roof, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, hollow metal skylights, fire and kalamein doors, bond, metal bulks, ornamental iron work, iron stairs, tile, marble and maple floors, elevators, safety treads, water and dampproofing, metal ceilings, cast stone. Plans in progress.

Building, 134 W. Cheltenham Ave., Phila. Architect, Carl Ziegler, 1012 Walnut street, Phila. Owner, Clarence M. Brown, Land Title Bldg., Phila. Brick, concrete, steel, 2 stories and basement, slag roof, cement floors, carpentry and mill work, painting, glazing, plumbing, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, hollow metal doors, bond, ornamental iron work, bronze work, dumbwaiter. Architect taking bids due June 1st.

Factory, 58th and Market Sts., Phila. Architect, LeRoy B. Rothschild, 215 S. Broad St., Phila. Owners, Greenbaum Bros., on premises. Reinforced concrete and brick, 2 stories and basement. Architect taking bids due May 27th.

Alterations, 3731 Walnut St., Phila. Architect, Lloyd Titus, Brighton Hotel, Atlantic City. Owners, Jerrihan Brothers, on premises. Demolition, painting and glazing, electric work, steam heat, plumbing, tin clad doors, kalamein doors, valut doors, rolling steel doors, steel sash, plastering, architectural terra cotta, waterproofing, slag roof, elevators, elevator doors, tile work, hardware, marble, carpentry and mill work, steel and iron work, concrete and cement work, brick work, cut

stone. Architect taking bids due as soon as possible.

Residence (add.) and Garage, 2203 N. 28th street, Phila. Architect, C. M. Wells, Rutledge, Pa. Owner, J. C. Horlacher, on premises. Brick, 2nd story addition, 14x20 feet. Garage, brick, 1 story, 17x38 feet, slag roof, cement floors, plumbing, hot water heat, electric light, tile work. Owner ready for bids.

Residence and Store (alts. and add.), 3632 Germantown avenue, Phila. Architect, C. M. Wells, Rutledge, Pa. Owner, Philip Luber, 2639 Germantown ave. Interior alterations, 3 story, electric light, tile wainscoting, hardwood, tile and cork floors, plumbing, plate glass, metal bulks. Plans about completed.

Residences (3), N. side Eastwick Avenue, W. of 87th Street, Phila. Architect, Nicola Hallace, 7901 Eastwick Ave., Phila. Owner,

Efim Builak, 1213 N. Palethrope St., Phila. Brick, 2 stories, 14x35 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Store, York Road and Haines Street, Phila. Architect, A. Oscar Martin, Doylestown, Pa. Owner, name withheld. Brick, 2 stories, 25x58 feet, slag roof, hardwood floors, plate glass, flush bulks, hot water heat. Plans completed, ready for bids in a few days.

Shop (alts.), W. Side 30th St., N. of Market St., Phila., \$20,000. Architect, private plans. Owners, Penna. Railroad, Broad St. Station, Phila. General alterations. Permit issued.

Storage, 226-28 S. 8th St., Phila., \$41,000. Architect, private plans. Owner, L. L. Starke, 224 S. 8th St., Phila. Brick, 3 stories, general alterations. Permit issued.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building (alts. and add.), 1225 Walnut street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Morris Wenger, on premises. Brick, cut stone, concrete, steel, slag roof, cement and pine floors, elevators, incinerator, painting, glazing, metal lath, tile and marble work, hollow metal doors (plumbing, heating, electric reserved). Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Stores, Old York road and City Line, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Charles Kahn and J. Solis Cohen, Morris Building, Philadelphia. Brick, steel, reinforced concrete, 1 story and basement, 141x40 feet, slag roof, composition floors, plumbing, wrought iron pipe, ornamental iron work, bond, electric light, metal lath, gas radiator. Contract awarded S. H. Levin, Elrae Building, Philadelphia.

Freight House and Office, Olney, Philadelphia. Architect, S. T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, steel, 1 story, 30x50 feet, office, 30x14 feet, asbestos built-up roof, cement floors, maple floors, plumbing, hot air heat, electric light, metal lath, rolled steel sash, fire doors, bond, ornamental iron work,

wrought iron pipe, metal lockers, steel shelving. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Apartment House, Northwest Corner Wayne avenue and Walnut lane, Philadelphia, \$920,000. Architect, Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, Walnut Lane Apartments Corporation, care of architect. Brick, 6 stories, 234x100 feet, vapor heat, electric work, slag roof, oak, pine, cement floors, tile work. Contract awarded John M. Yardley, 1700 Walnut street, Philadelphia.

Residence, North Mt. Pleasant road, Chestnut Hill, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, W. Russell Rake, 140 West Durham street, Chestnut Hill. Stone, 2½ stories and basement, 41x37 feet, slate roof, oak and pine floors, hot water heat, electric light. Contract awarded Samuel Harting & Son, 20 East Johnson street, Philadelphia.

Warehouse (alts.), 1708 Ludlow street, Philadelphia. Owners, Wright, Tindal & Van Roden, Inc., 1212 Chestnut street, Philadelphia. Carpentry, mill work, shelving, interior alterations. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Residence (alts. and add.), Chestnut avenue, Chestnut Hill, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner,

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

on "Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

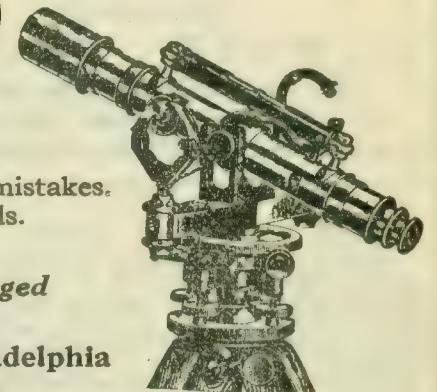
Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



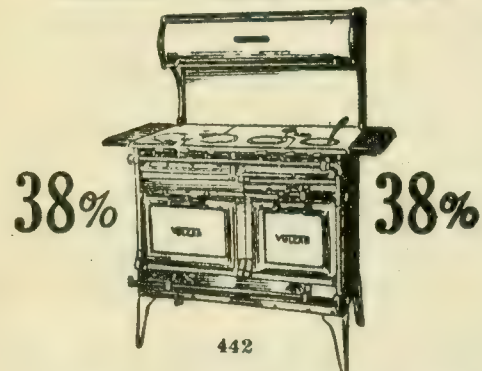
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

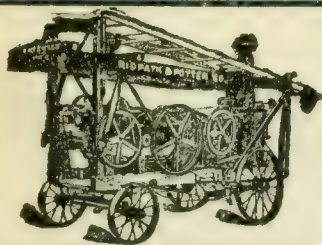
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

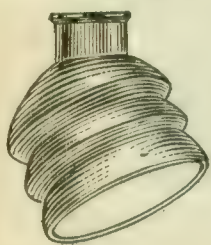
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

William Jenks Wright, on premises. Stone, 2½ stories add., slate roof, oak, pine floors, painting and glazing, carpentry and mill work, metal lath, tile work. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Pa.

Shop, 4224 Main street, Philadelphia, \$10,000. Architect, private plans. Owners, Manayunk Wagon Mfg. Co., on premises. Brick, 1 story, 59x79 feet. Contract awarded to Frank Y. Radomski, 4329 North Sixteenth street, Philadelphia.

Residence, Southeast Corner Marshall and Green streets, Philadelphia, \$9,000. Architect, private plans. Owner, B. Cohen, 508 North Ninth street, Philadelphia. Brick, 3 stories, 17x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to D. Bass, 2103 North Franklin street, Philadelphia.

Store (alts.), Northeast Corner Seventh and Catherine streets, Philadelphia, \$4,100. Architect, private plans. Owners, Psaki Brothers, 525 Pine street, Philadelphia. General alterations. Contract awarded to Seurci & Maerame, 732 South Seventh street, Philadelphia.

Residence (add.), 6340 Woodbine avenue, Philadelphia, \$2,500. Architect, private plans. Owner, A. J. Standt, Thirty-sixth and Spring Garden streets, Philadelphia. Brick, 2 stories, 12 feet 3 inches x 15 feet 6 inches. Contract awarded to James McMackin, Narbeth, Pa.

Residence, South side Tyson street, West of Frontenac street, Philadelphia, \$6,000. Architect, private plans. Owner, Martin Krompasty, 2403 North Hancock street, Philadelphia. Frame, 2 stories, 36x34 feet, pipeless heater, electric light. Contract awarded to George B. Garrett, 2162 East York street, Philadelphia.

Cold Storage Building (alts.), Southwest Corner Delaware and Tasker street. Architect, private plans. Owners, Atlantic and Pacific Stores, on premises. General alterations. Contract awarded to United Cork Co., 1042 Ridge avenue, Philadelphia.

Trestle, Northeast Corner State road and Shelmire street, Philadelphia, \$7,000. Architect, private plans. Owners, Philadelphia Hardware & Malleable Iron Works, Ninth and Jefferson streets, Philadelphia. Contract awarded to William Steele & Sons Co., 124 North Fifteenth street, Philadelphia.

Sunday School (add.), Northeast Corner Ridge and Shawmont avenues, Philadelphia, \$4,500. Architect, private plans. Owners, Ridge Avenue Methodist Episcopal Church, on premises. Brick, 1 story add., 38x24 feet. Contract awarded to Adam Wilkinson, 439 Harmon road, Philadelphia.

Garage (add.), South side Chestnut avenue, West of Shawnee street, \$6,000. Architect, private plans. Owner, William J. Wright, 140

West Chestnut avenue, Philadelphia. Brick, 1 story add., 31x23 feet, slag roof, cement floors. Contract awarded to James Riley & Son, Forrest avenue, Mt. Airy, Pa.

Residence, North side Hellerman street, East of Oakley street, \$4,700. Architect, private plans. Owner, Arthur Bannister, 429 Hellerman street, Philadelphia. Brick, 2 stories, 16x26 feet, slag roof, pine floors, hot water heat. Contract awarded to Garthly Brothers, 435 Hellerman street, Philadelphia.

Garage (add.), Southeast Corner Fifty-third and Spruce streets, Philadelphia, \$3,000. Architect, private plans. Owner, Albert G. Saylor, on premises. Brick, 1 story add., 16x17 feet, slag roof, cement floors. Contract awarded to R. L. Simpson, 17 North Dewey street, Philadelphia.

Loading Platform, J street, North of Ontario street, Philadelphia, \$2,000. Owners, William Brown Co., on premises. Contract awarded to Harry Brocklehurst, 512 West Norris street.

Residence, 5802 Erdrick street, Philadelphia, \$4,000. Architect, private plans. Owner, William Nalridge, 5800 Erdrick street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 43 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Alex. Jaskzembski, 4512 Pierce street, Philadelphia.

Station, North side Tioga street, East of Richmond street, Philadelphia, \$3,000. Architect, private plans. Owners, U. G. I. Co., Broad and Arch streets, Philadelphia. Iron on iron, 1 story, 20x48 feet. Contract awarded to Morris, Wheeler & Co., Thirtieth and Locust streets, Philadelphia.

Residence, S. E. corner Rising Sun Ave. and Alcott St., Phila., \$16,000. Architect, private plans. Owner, Francis Teachman, Oak Lane Trust Co., Broad and York Road, Philadelphia. Brick, 2 stories, 34x58 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Allan Const. Co., Wynnewood, Pa.

Apartment House, 454 E. Locust Avenue, Phila., \$85,000. Architect, private plans. Owner, Wm. F. Edwards, 6162 Columbia Ave., Phila. Brick, 3 stories, 30x113 feet, slag roof, oak and pine floors, hot water heat, electric light, tile work. Contract awarded to Jas. A. Clark, 6162 Columbia Ave., Phila.

Residence, W. Side Navajo St., S. of Highland Ave., Phila., \$15,000. Architect, private plans. Owner, Mrs. B. J. Barlow, Highland Ave. and Navajo St., Phila. Brick, 3 stories, 38x26 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to W. B. Schock, 7905 Crefelt St., Phila.

Residence and Store, E. side Rising Sun Ave., S. of Alcott, \$6,000. Owner, Francis Teachman, Oak Lane Trust Co., Broad and York Road. Brick, 2 stories, 16x58 feet, hot

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4539

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

water heat, electric light. Contract awarded to Allan Const. Co., Wynnewood, Pa.

Pennsylvania Construction News

Fire House, Southampton, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Southampton Fire Co., No. 1, Marvin Severn, Southampton, Pa. Hollow tile, frame, 2 stories, 24x50 feet, shingle roof, maple floors, hot water heat, electric light, plumbing. Owner taking bids.

School (2-room add.), Jamison, Warwick Township, Bucks County, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, School Board of Warwick Township, Bucks County, Pa. Stone, steel, 1 story 34x68 feet (plumbing, electric separate), slag roof, maple floors, painting, glazing, roof vents, metal ceilings, metal lath, bond. ornamental iron work. Owner taking bids due June 2nd.

Convent, Mt. Carmel, Pa. Architect, Paul Monaghan, 1520 Locust St., Phila. Owner, St. Joseph R. C. Church, Mt. Carmel, Pa. Architect taking bids due June 1st.

Smoketown High School, East Lampeter Township, Pa. Architect, M. R. Evans, 10 E. Orange street, Lancaster, Pa. Owners, East Lampeter Twp. School Board, Mr. Heller, Secretary, Lampeter, Pa. Brick, steel, 1 story, 150x80 feet, composition roof, maple floors. Low bidders: H. L. Wiant, 544 Mill St., Lancaster, Pa., \$44,558; Herman Wohlsen, Wool-Worth Bldg., Lancaster, Pa., \$47,827. Mechanical bids not yet listed.

Apartment Building, Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, 3 stories, slag roof, hardwood floors, electric light, tile work. Plans in progress.

Parish House, Marietta, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, St. John's Protestant Episcopal Church, Marietta, Pa. Brick, 32x60 feet, 1 story and basement. Preliminary plans in progress.

Residence (alts. and add.), Watsonstown, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, W. Curtis Wagner, Watsonstown, Pa. Frame, 2 stories, 35x60 feet, shingle roof, hot water heat. Sketches being drawn.

Bank, Waynesboro, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Citizen's National Bank, A. Frick, president, Waynesboro. Brick, steel, 1 story, 35x100 feet, slag roof, concrete floors, roof ventilators, metal window guards, bronze, steel skylights, steel sash, tile and marble, heating extension, electric light. Plans in progress.

Garage, 40 South Ninth street, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, H. A. Spatz, 108 Plum street, Reading, Pa. Brick, steel, 2 stories, 40x142 feet, slag roof, concrete and wood floors, roof ventilators, fire doors, steel sash. Plans in progress. (Note correct architect.)

Sunday School (alts. and add.), Danville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Trinity Lutheran Church, Rev. E. R. Leisey, Danville, Pa. Brick, stone, 2 stories and base-

ment, slate roof, hardwood floors, electric light. Revised plans in progress.

Fire Brick Works (rebuilding), First avenue, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Rogers & Co., First avenue, Royersford, Pa. Frame, 3 stories, 60x140 feet, tin roof, yellow pine and concrete floors, steam heat, electric light, wood sash. Plans in progress. Owners will take sub-bids.

Two Pair Twin Residences and Single Residence, Winston road, South of Springfield, Chestnut Hill. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, J. W. Moffley, 3rd, 515 West Mt. Airy avenue, Philadelphia. Stone, cinder block, 2 stories, slate roof, hardwood floors, electric light. Owner will build.

Residences (50), Timberlake road, South of Marshall, Stonehurst, Pa. Architect, Charles C. Schweiker, 1209 Garfield avenue, Manoa Heights, Pa. Owner, D. Webster Anders, 6372 Columbia avenue, Overbrook, Pa. Brick, cinder block, 2 stories, basement, garage, 14x37 feet, asphalt roof, oak and pine floors, electric light, hot water heat, metal lath, tile work. Owner taking bids due at once.

Residence Development, Springfield, Pa. Owner, R. F. Freemont, 3407 Garrett road, Drexel Hill, Pa. Concrete block, stucco, frame, clapboard, 2½ stories, 17x32 feet, 17x45 feet, shingle roof, hardwood floors, electric light, tile work, garage, stone house, 2½ stories, 28x35 feet. Owner will build.

Steam Heating Plant, Sazer avenue, Section of Freemont Tract, Springfield, Pa. Engineer, C. S. Leopold, 213 South Broad street, Philadelphia. Owners, Springfield Steam Co., Inc., care of R. F. Freemont, 3405 Garrett road, Drexel Hill, Pa. Brick, steel or stone, 50x100 feet x 35 feet high, slag roof, electric light, reinforced concrete, ventilators. Owners will build.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, Dr. J. A. Nightengale, 22 West Orange street, Lancaster, Pa. Brick, 2½ stories, 45x30 feet, slate roof, hardwood floors, hot water heat, electric light, oil burners, tile work. Owner will take bids.

School (add.), West Lampeter Township, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, West Lampeter Township School Board, H. Swartly, Lampeter, Pa. Brick, 1 story 24x70 feet, built-up roof, composition floors, hollow tile (heating, plumbing, electric separate). Owners taking bids due June 8th.

High School (add.), Eddystone, Pa. Architects, MacKenzie & Wiley, Bankers' Trust

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.

INSTALLS ON THE ROOF OF ITS NEW
BUILDING

15TH AND WALNUT STREETS

HOOD'S PYRO-TYNT

PROMENADE TILE

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.

PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY

B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

FLOORING

Selbalith Composition

Selbatex Mastic

Tile-Tex Mastic Tile

Lether Tyle

Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

: Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet irt
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

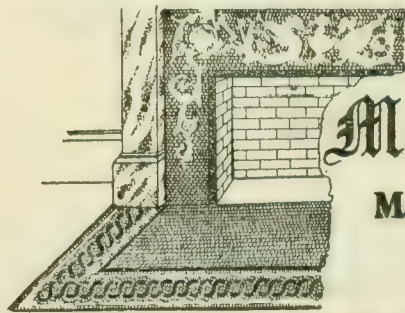
THERE IS ONLY ONE IN-A-
"THE MURPHY"

STERLING STUCCO and
PLASTERING

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex lool

BEDS

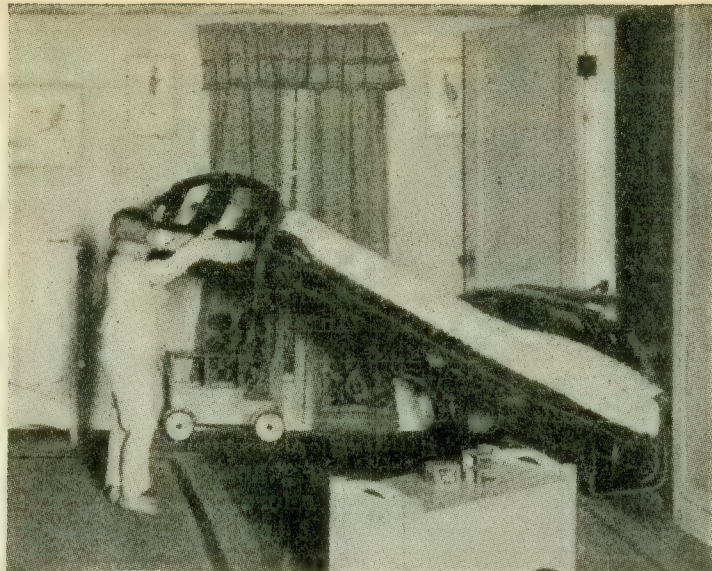
omes
rings

call at our
lain kitchen
g boards as
Beds

D CO.

ey Building
t 44th Street
ew York

R BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

cks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
re masonry.



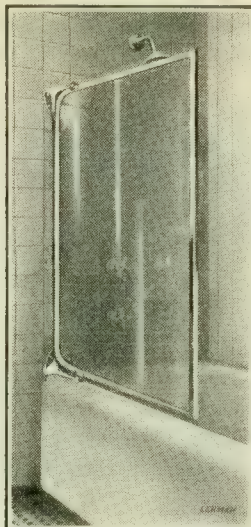
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Building, Philadelphia. Owners, Board of Education, Eddystone, Pa. Gymnasium, etc. Plans in progress. Will be ready for bids in six weeks.

COMPRESSED AIR SERVICE CORP.

**Vaults, Foundations, Rock
or Concrete Demolished by
Compressed Air or Dynamite.**

"We Cut Through Anything"

Air Compressors for Rent

1015 CHESTNUT STREET

DAY NIGHT
WALnut 6488 ALLegheny 8448
RACE 3401

PILES, FOUNDATIONS CAISSONS

**ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.**

108 Massachusetts Avenue
BOSTON, MASS.

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Church, Clifton Heights, Delaware County, Pa. Architect, Frank V. Nickels, 14 South Twenty-first street, Philadelphia. Owners, Parish of Sacred Heart, Rev. J. Zywicki, on premises. Stone, limestone trim, 45x140 feet, 550 seating capacity, slate roof, maple floors, vapor heat, electric light, tile and marble work, auditorium in the basement, shower stalls, kitchen equipment. Plans in progress. Architect will be ready for bids in a week.

Store (add. and alts.), York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, H. Westley & Co., 328 West Market street, York, Pa. Brick, terra cotta, steel, 4 and 1 stories, 20x60 feet, 22x150 feet, built-up roof, maple floors, elevators, tile, heating extension, electric light. Architect will be ready for bids first of next week.

Residence and Garage, Coopertown road, Ardmore, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, E. B. Cox, care of C. Barney Co., 1428 Walnut street, Philadelphia. Stone, brick, 2½ stories and basement, 62x27 feet, wing 48x45 feet, shingle and slate roof, oak, pine, cement floors, hollow tile, metal weather strip, plumbing, flagstone, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, wrought iron pipe. Architects taking bids due May 26th.

Residence, Sharon Hill, Pa. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, Charles Fleming, care of architect. Stone, 2½ stories and basement, 30x72 feet, tile roof, oak and pine floors, electric light, metal lath, tile work, bond, ornamental iron work. Architect taking bids due May 27th.

Residence (add.), Cedar road, Elkins Park, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, J. Labe, Jr., care of Mastbaum Brothers & Fleisher, 1344 South Penn Square. Brick, frame, 2½ stories and basement, 15x20 feet, slate roof, pine and oak floors, electric light, metal lath, ornamental iron work. Owner taking bids.

High School, Birdsboro, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Birdsboro School District, W. K. Young, secretary, Birdsboro, Pa. Fire-proof, steel, 2 stories, 176x72 feet, 68x72 feet, built-up roof, maple floors, hollow tile, roof ventilators, safety treads, bond, concrete stairs, fire doors, steel sash, metal lath (heating, plumbing and electric separate). Owners taking bid due June 3rd.

School Completion, Glenolden, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Education, Glenolden, Pa. Brick, cut stone, steel, 2 stories and basement. Owners taking bids on revised plans due June 7th.

Store Building, Glenside, Pa. Architects,

Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, William Raiser, Glenside, Pa. Architects taking bids due May 26th.

Miscellaneous Work, Chester, Pa. Engineer, City Engineer, Chester, Pa. Owners, City of Chester, D. H. Hunter, Chester, Pa. Owners taking bids due May 31st, 1 P. M. (Standard Time). Copy of proposal must accompany each bid. Deposit, \$2. Curbing, paving, repaving, drainage, grading, etc., approximately 400 lineal feet, resetting granite curbs. 380 square yard brick gutter, concrete foundations. 1,300 square yards asphalt top and binder resurfacing. 2,050 square yards asphalt top and binder on concrete basis. 1,500 cubic yards grading, 200 cubic yards top soil and seeding. 30 cubic yards 1:2:4 concrete, 20 cubic yards 1:3:6 concrete. 1,000 lbs. 33 mesh reinforcements. 100 square feet monolithic concrete sidewalk. 6 standard inlets, etc.

Pennsylvania

Contracts Awarded

Convent Extension and Normal School, Cornwalls Heights, Pa. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Elizabeth's Convent, Cornwalls Heights, Pa. Reinforced concrete, cut stone, brick, stone, steel, granite, 3 stories and basement, 77x46 feet, 123x90 feet, asphalt built-up and tile roof, composition, cement and oak floors, roof ventilators, metal weather strip, dampproofing, ornamental iron work, cinder concrete block, metal partitions, rubberstone floors, inoleum iron stairs, floor hardener, bond, kalamein and hollow metal doors, rolled steel skylights, tile, marble and terrazzo work, metal lath. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Apartment House, Lansdowne, Pa. Architect, Alvin C. Bieber, 3044 Lehigh avenue, Philadelphia. Owner, name withheld. Brick, 3 stories, 122x20 feet, 2 wings, 42x90 feet, hardwood floors. Contract awarded Ell Dee Const. Co., 1113 Franklin Trust Building, who are taking sub-bids.

Store Building, North Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, William L. Raiser, Glenside, Pa. Brick, stucco, 2 stories and basement, 85x23 feet, slate and slag roof, pine, cement and maple floors, plumbing, hot water heat, metal lath, tile work, bond, ornamental iron work. Contract awarded M. W. Oberholtzer, Glenside, Pa.

Residence and Garage, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, N. Paul Kenworth, care of architect. Stone, 2½ stories and basement, 34x141 feet, shingle roof, pine floors, hot water heat, electric light, tile work, rolled steel sash, ornamental iron work. Contract awarded

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

ed William H. Eddleman, 453 Green lane, Philadelphia.

Residence, Reading, Pa. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owner, H. N. Nolde, Ninth and Douglas streets, Reading, Pa. Stone, brick, reinforced concrete, steel, cut stone, 2½ stories and basement, 72x25 feet, wing 48x25 feet, variegated slate roof, steam heat, electric light, tile and marble work, metal lath, casement doors, bond, ornamental iron work, casement windows, brass pipe, incinerator, septic tanks, leaded glass, cast stone, flagstone, waterproofing, plumbing, cement, oak, pine and linoleum floors. Contract awarded McNeill Const. Co., Schaff Building, Philadelphia.

Township Hall (alts. and add.), Upper Darby, Pa. Owners, Township of Upper Darby, Upper Darby, Pa. Brick work, plastering, painting, glazing, carpentry, mill work, slag roof, sheet metal work, plumbing, hardware, heating and lighting alterations, metal lath, marble work. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Garages, Germantown avenue and Pelham road, Germantown, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Chadwick & Co., Fifteenth and Locust streets. Brick, cut stone, steel, 2 stories and basement, 120x36 feet, slag roof, cement floors, electric light, metal lath, tile work, ornamental iron work. Contract awarded Albert Zellfelder, 1324 Walnut street, Philadelphia.

Gymnasium and Auditorium, Steelton, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Steelton School Board, W. Entwistle, president, Steelton, Pa. Fireproof, 1 story, 216x60 feet, built-up roof, concrete and maple floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, steel skylights and sash, tile and marble, metal lath. Contract awarded to J. W. Pomraning, Mechanics' Trust Building, Harrisburg, Pa.

Convent, Sunbury avenue, Minersville, Pa. Architects, Henry D. Dagit & Son, 1329 Race street, Philadelphia. Owners, St. Vincent de Paul Parish, Rev. E. L. Gatens, Minersville, Pa. Brick, stone, steel, 3 stories and basement, 58x34 feet, slag roof, cement and pine floors, plumbing, waterproofing, electric light, metal lath, tile and marble work, rolled steel sash, fire doors, bond, iron stairs, wall finish, ornamental iron work, wrought iron pipe, dumb waiters, morene wall finish. Contract awarded Gordon Nagel, Pottsville, Pa.

Residence, Allentown, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Dr. Hope Ritter, 101 North Eleventh street, Allentown, Pa. Brick, 3 stories, 70x90 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to B. Frank Bachman, Woolworth Building, Lancaster, Pa.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, F. B. Trissler, 213 North Duke street, Lancaster, Pa. Brick, 2½ stories, 110x40 feet, shingle roof, hardwood floors, oil burner, hot water heat, electric light, tile work, flagstone. Plans in progress. Contract awarded to Herman Wohlson, Woolworth Building, Lancaster, Pa.

Residence, Front street, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, Arthur Hull, 13 South Third street, Harrisburg, Pa. Stone, 2 stories, 70x40 feet, 20x35 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to Frank Morrow, 1714 Boas street, Harrisburg, Pa.

Apartment House (alts.), Lansdale, Pa. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, Mr. Murphy, care of architect. Painting, glazing, plastering, brick work, limestone. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

Church, Tamaqua, Pa. Architects, Ritcher & Miller, 147 North Fifth street, Reading, Pa. Owners, Zion Lutheran Church, care of secretary of Building Committee, Tamaqua, Pa. Contract awarded to A. L. Graff, Tamaqua, Pa.

Grit Chambers, Chester, Pa. Engineer, R. C. Wheeler, Chester, Pa. Owners, City of Chester, G. J. Hunter, Department of Streets and Public Improvements, Chester, Pa. Contract awarded Ligon & Ligon, Baltimore, Md., \$172,422.

Residence and Garage, Wynnewood, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Fred Pierce, Esq., on premises. Contract on electric work awarded to Arrow Elec. Co., 5112 Whitby avenue, Philadelphia.

Pennsylvania State Highway Work. Northampton County, A-4523, Bath Borough, 4,329 feet. One course reinforced concrete. Contract awarded to William Eisenberg, Camden, N. J., \$37,047.07.

Northampton County, R-165, Spur A-2355. One course reinforced concrete. Contract awarded McInerney & McNeal, Easton, Pa., \$275,410.67.

Elk County, A-4327, Ridgway Township. One course reinforced concrete. Contract awarded to Avery & Bailey, Philipsburg, Pa., \$21,030.29.

Cambria County, R-276, A-4268, S-8, Conemaugh Township. One course reinforced concrete. Contract awarded to B. L. McKillip, Hollidaysburg, Pa., \$80,993.44.

Greene County, R-111, S-5, O-4202-4283, Jackson Township. Grading, drainage. Contract awarded to Sky Cont. Co., Johnstown, Pa., \$57,289.50.

Luzerne County, R-235, A-3978, Huntingdon Township. One course reinforced concrete. Contract awarded Tyler & Cole, Meshoppen, Pa., \$102,459.10.

Luzerne County, R-4, S-7, Hunlock and Plymouth Townships. One course reinforced concrete. Contract awarded to George Powell, Nanticoke, Pa., \$131,097.

Road Work, Pennsylvania. Owners, State Highway Department, Harrisburg, Pa. Huntingdo Co., A-2827, Hopewell Twp. One course reinforced concrete. \$36,569.57. Contract awarded to Standard Const. Co., Altoona, Pa. Warren Co., R-94, S-2, Warren Borough. One course reinforced concrete. Contract awarded to J. D. Devine, Alliance, Ohio, \$44,701.90.

Group of Farm Buildings, Doylestown, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, M. N. Taylor, Doylestown, Pa. Hollow tile, frame, various sizes, asbestos shingle roof, concrete floors, electric light, cement paving, plumbing. Contract awarded to Newton Shibe, Doylestown.

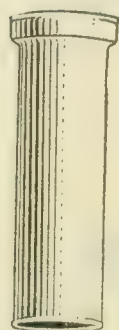
*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

27th and Diamond Streets, Philadelphia

**Columbia
6526-6527**

**Park
4981**

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

New Jersey Construction News

School (alts. to gym), Merchantville, N. J. Architect, Arnold H. Moses, Camden, N. J. Owners, Board of Education, Merchantville, N. J. Plans completed. Will be ready for bids in a few days.

Bank Building, Laurel Springs, N. J. Architects, C. R. Peddle and S. Wasserman, 136 South Fourth street, Philadelphia. Owners, Laurel Springs Bank, Laurel Springs, N. J.

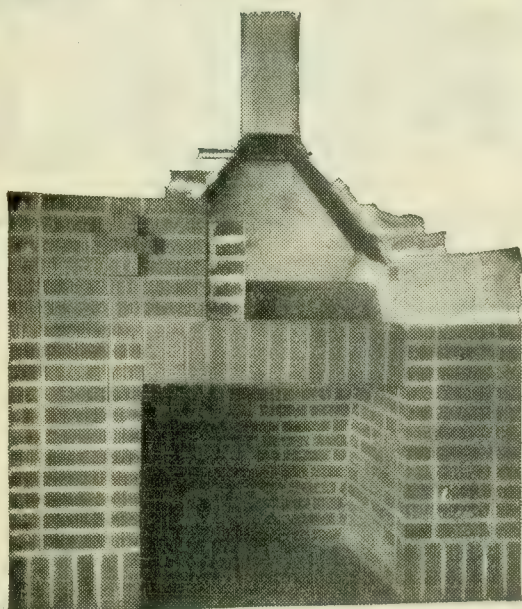
TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 2467 W

WM. N. BLACKBURN
317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

Cast stone, stone, 1 story and mezzanine, 36x42 feet, slag roof, vapor heat, electric light, plumbing, tile and marble work; oak trim for bank. Ready for bids in one month.

Residence, Collings avenue, Collingswood, N. J., \$25,000. Architect, J. Herbert Radey, Collingswood, N. J. Owner, Charles McQuillen, Collingswood, N. J. Brick, 2 stories, 27x42 feet, warm air heat, electric light, tile work, slate roof, hardwood floors, garage 10x20. Plans in progress. Ready for bids in one week.

New Service Building, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, on premises. Brick, cut stone, steel, 2 stories and basement, 74x58 feet, asbestos built-up roof, cement and composition floors, hollow tile, metal ceiling, waterproofing, blue-stone, ornamental iron work, iron stairs, kalamein doors, rolled steel sash and skylights, tile and marble work, metal lath, ventilating system. Architects taking bids due May 28th.

School (add.), Runnemede, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, T. L. Coley, Runnemede, N. J. Brick, reinforced concrete, cut stone, steel, 2 stories and basement, 84x61 feet (plumbing, heating, electric, ventilating separate), slag roof, cement and pine floors, hollow tile, metal window guards, metal weather strip and ceilings, dampproofing, eaststone, ornamental iron work, iron stairs, bond, kalamein doors, metal lath, metal toilet partitions. Owners taking bids due May 27th.

Sanitary Sewer System, Delanco, Burlington County, N. J. Engineers, Edgar & Wittwer, 723 Haddon avenue, Collingswood, N. J. Owners, Sewer Commission, E. Goldsboro, Burlington County, N. J. Certified check, 5 per cent, bond, deposit \$15, refund \$5. Owners taking bids due May 26th, 7 P. M. (Standard Time). No. 1, sanitary sewer and force main, approximately 8.6 miles 5-inch to 15-inch T. C. pipe sewer. No. 2, sewage treatment plant. No. 3, sewage pumping station.

Miscellaneous Work, Camden, N. J. Owners, Atlantic City Railroad, H. E. Paisley, treasurer, and Camden County Board of Chosen Freeholders, John W. Sells, treasurer, Cam-

den County Court House, Camden, N. J. Grading, masonry and paving. Steel superstructure (separate) for Bridge No. 5-22 on King's Highway, north of Haddon Heights. Certified check, 10 per cent. Bond. Deposit \$10. Owners taking bids due June 1st at 11 A. M. (Daylight Saving Time).

Road Work, Elvessham road, Runnemede, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Gloucester Township Commissioners, R. R. Baer, and Runnemede Borough, C. W. Brookfield, N. J. Owners taking bids at Runnemede, June 3rd, 8 P. M. (Daylight Saving Time). Certified check, 10 per cent. Deposit. Approximately 8,131 square yards gravel surface pavements.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 17 North, Sec. 2, Carsadt-Hasbrouck Heights, Bergen County. Unclassified excavation, borrow, double line reinforced concrete pavement. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due June 6th at 11 A. M. (Eastern Standard Time).

Sidewalks, Curbs and Gutters, Audubon, N. J. Owners, Commissioners of Borough of Audubon, J. W. Zanger, Audubon. Deposit \$5.00 certified check. Owner taking bids due May 31st 8.30 P. M. (D. S. T.- Bid bond and bond).

New Jersey Contracts Awarded

Warehouse, South side Haddon avenue, West of Copewood street, Camden, N. J. Architect, G. S. Kingsley, 145 West Forty-first street, New York. Owners, Bell Storage Co., 1006 South Sixth street, Camden, N. J. Reinforced concrete and brick, 5 stories and basement, 115x50 feet, garage, 120x50 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash and skylights, fire doors, ornamental iron work, architectural terra cotta, elevators. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Parochial School, Pleasantville, N. J. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Peter's Roman Catholic Church, Rev. Dr. F. J. McCallion, Pleasantville, N. J. Brick, steel, 3 stories, 127x80 feet, slag roof, maple and pine and cement floors, steam heat, electric light, metal lath, bond, ornamental iron. Contract awarded W. J. Meagher, Perth Amboy, N. J.

Chapel, Avalon, N. J. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, Sacred Heart of Jesus Mission, Avalon, care of Rev. Moroney, St. Ann's Church, Wildwood, N. J. Frame, stucco, hot water heat, electric light, 40x80 feet, slate roof, pine floors, plumbing. Contract awarded Wildwood Building Co., Wildwood, N. J.

Distributing Building and Garage, Glassboro, N. J., \$35,000. Architect, private plans. Owners, People's Gas Co., R. R. Richardson, manager, Glassboro, N. J. Brick, concrete, steel, 2 stories, 60x120 feet, built-up roof, concrete floors, elevators, plumbing, steam heat, electric light, rolled steel sash. Contract awarded Fred Ware, Glassboro, N. J.

Club House, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners,

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.
BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

I. B. P. O. Colored Elks, care of architect. Brick, stone, 3 stories and basement, 80x60 feet, slag roof, hardwood floors, electric light, tile and marble. Contract awarded to Thomas Day & Son, Day Building, Trenton, N. J.

Residence (alts.) and Garage, West Eighth and Overbrook avenue, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Thomas Thropp, 541 East State street, Trenton, N. J. Brick, 1 story, 4-car garage, slate roof, oak and concrete floors (heating and plumbing reserved), tile work, general alterations. Contract awarded to J. Maher, Trenton, N. J.

Stores and Office Building, Camden, N. J., \$42,000. Architect, Ernest I. Ergood, 320 Market street, Camden, N. J. Owners, General Gas Mantle Co., Jefferson street, Camden, N. J. Brick, limestone, 3 stories, 18x102 feet, slag roof, hot water heat, electric light. Contract awarded to John C. Gibson, 611 Bailey street, Camden, N. J.

Store and Residence, 3627 Westfield avenue, Camden, N. J., \$6,300. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Harvey E. Weiss, care of architects. Brick, 2 stories, 18x52 feet, slag roof, hot water heat, electric work. Contract awarded to Edmond Christopherson, 603 North Thirty-second street, Camden, N. J.

Residence, 607 North Thirty-fifth street, Camden, N. J., \$5,500. Architect, F. Herbert Radey, Collingswood, N. J. Owner, Louis Kappeler, Camden, N. J. Frame, 2 stories, 24x28 feet, slate surface roof, electric light. Contract awarded to Joseph H. Heath & Son, Haddon Heights, N. J.

Building (add. and alts.), 1423 South Tenth street, Camden, N. J., \$4,200. Architect, private plans. Owner, Louis Naporokowski, Camden, N. J. Brick, 2 stories, 17 feet 4 inches x 26 feet, slag roof, general alterations. Contract awarded to W. Woerioch, 1183 Thurman street, Camden, N. J.

Garage, 317 Pine street, Camden, N. J., \$2,000. Architect, private plans. Owner, Dominick Guerrieri, Camden, N. J. Block, 1 story, 20 feet 5 inches x 62 feet, slag roof, cement floors. Contract awarded to Patrick Diserio, 307 Pine street, Camden, N. J.

Residences (15), 1323-51 Morton street, Camden, N. J., \$57,000. Architect, private plans. Owners, Morton Home Building Co., care of builders. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Costanza Brothers, 1540 Mt. Ephraim avenue, Camden.

Elevator Shaft, Broadway and Federal streets, Camden, N. J., \$7,000. Architect, private plans. Owner, Louis Stecker, on premises. Concrete walls, 4-foot pit. Contract awarded to Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Store Front and alts., 1115 Haddon avenue, Camden, N. J., \$2,500. Architect, private plans. Owners, Nurock & Getzov, on premises. Lowering floor, underpinning foundations, general alterations. Contract awarded to Sam Levy, 1214 Kaighn avenue, Camden, N. J.

Service Station, 68 Crescent Boulevard, Route No. 2, Camden, N. J., \$1,600. Architect, private plans. Owner, Willard Martz, 43 South Forty-second street, Camden, N. J. Brick, 1 story, 18x16 feet, metal tile roof, cement floors. Contract awarded to Adam Stephan, 3309 Pelham Place, Camden, N. J.

Residence, 873 North Thirtieth street, Camden, N. J., \$4,000. Architect, private plans. Owner, Thomas Whittendale, care of builder. Frame, 2 stories, 22x28 feet, slate surface roof, hot water heat, electric light. Contract awarded to D. H. Phillips, Oaklyn, N. J.

Building (add. and alts.), 214 Federal street, Camden, N. J., \$2,200. Architect, private

plans. Owner, Robert Turner, on premises. Frame, 1 story add., 10x14 feet, slag roof, general interior alterations. Contract awarded to Joseph D. Hill, 122 Woodlawn avenue, Collingswood, N. J.

New Jersey State Highway Work. Pennington-Woodsville road, Route No. 30, Revision of 1927, Mercer County. Contract awarded to Michael Staub, Pitman, N. J., \$250,468.

Woodsville-Ringoes road, Route 30, Revision of 1927, Hunderdon County. Contract awarded to Michael Staub, Pitman, N. J., \$322,081.75.

Route 7, Sec. 9, Adelphia-Aldrich road, Monmouth County, N. J. Contract awarded to Edward H. Ellis, Wilson Building, Camden, N. J., \$309,224.

Route 5, Sec. 18, Buttzville-Great Meadows, Warren County, N. J. Contract awarded to Union Paving Co., 123 South Twenty-first street, Philadelphia, \$358,250.

Miscellaneous Construction News

Palestra, Morgantown, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, University of West Virginia, care of State Board of Control, West Virginia. Reinforced concrete and steel or timber, 120x380 feet, 4,000 seating capacity, saw-tooth roof. Plans in progress.

Residence (add. and alts.), Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, H. S. Schutt, 2204 Grant street, Wilmington, Del. General alterations, 2 stories add. Plans in progress.

Armory, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, State Armory Commission, W. E. Hoopes, secretary, DuPont Building, Wilmington, Del. Brick, stone, steel, 1 story, 180x150 feet, composition roof, dumb waiters, cut stone, cast stone, ornamental iron, iron stairs, hollow metal doors, steel sash, tile work (heating, plumbing, electric separate). Owners taking revised bids due May 28th.

Residences (2), Twenty-sixth street, Wilmington, Del., \$6,700 each. Architect, private plans. Owner, George Randman, 403 Concord avenue, Wilmington, Del. Brick, 2 stories, 22x32 feet, slate roof, hot water heat, electric work. Permit issued.

Residence, 2004 Van Buren avenue, Wilmington, Del., \$10,000. Architect, private plans. Owners, S. Cantero & Sons, Eighth and Lincoln streets, Wilmington, Del. Stone, 2½ stories, 28x38 feet, 8x14 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Miscellaneous Contracts Awarded

Residence, Delaware avenue and Bayard Boulevard, Wilmington, Del., \$27,500. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner, Mrs. J. G. Spackman, care of architect. Brick, steel, 2½ stories, 29x42 feet, 15x15 feet, tile roof, tile and hardwood floors, electric light, tile work, bond, ornamental iron work, cut stone. Contract awarded to C. J. Dougherty, 2515 West Eighteenth street, Wilmington.

Residences (8), Third street, Wilmington, Del., \$32,000. Architect, private plans. Owners, Newport Land Investment Co., 306 Industrial Trust Building, Wilmington, Del. Brick, 2 stories, 16x28 feet, slag roof, pine floors, pipeless heat, electric light. Contract awarded to Patrick Fahey, 122 North Clayton street, Wilmington, Del.

Store, 705 Market street, Wilmington, Del., \$6,000. Owners, W. T. Grant Co., on premises. Brick, 2 stories, 48x117 feet, composition roof, hot water heat, skylights. Contract awarded to J. A. Bader & Co., Lackey Building, Wilmington, Del.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 18, 1927. Sealed bids in duplicate will be received until 3 P. M., June 22, 1927, and then publicly opened, for the construction of the United States Post Office at Bayonne, N. J. Drawings and specifications may be obtained from the Custodian of the site at Bayonne, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

SALES ENGINEERS wanted in Eastern Pennsylvania, New Jersey and Maryland. Men familiar with architects and contractors, to estimate and sell floor covering used in public, commercial and industrial buildings.

Box 1, Builders' Guide, Philadelphia, Pa.

On and after June 1st the offices of J. Frank Clark, A. I. A., Architect, will be located at 3514 Spring Garden Street, Philadelphia. No catalogues.

Construction costs continue to hold a position higher than they reached at any time last year. Neither the average of wages paid nor the prices of major construction materials varied sufficiently during April to change the total costs, according to statistics compiled by the Associated General Contractors of America.

April was the third successive month to pass without a change in the average wage and the second during which material prices failed to show perceptible fluctuation.

The level held by construction costs last month was above the mark registered for April, 1926. A scale which places the 1913 average at 100 as its basis, shows that costs last month occupied the 201 level. The highest plane reached last year was 199, touched in May.

April figures for recent years are: 1924, 201; 1925, 200; 1926, 198.

The average of prices commanded by construction materials during March and April was the highest recorded since July, 1925. In only one month—May, 1926—has the wage average been higher during recent years than it has been since last January.

The man with an order to place doesn't hunt you up in the city directory these days. He hasn't the time. If he can't find you in your trade magazine he can and does find somebody else, and that somebody else books the order.

Construction operations this year stand a fine chance to break all previous records. This is indicated by statistics compiled by the Associated General Contractors of America.

Not only have the first four months of 1927 set a mark which is well above any recorded by the volume of operations under way during a similar period in any year on record, but observations show a large amount of building is contemplated for the near future.

The volume of contracts awarded during March was the greatest ever recorded for that month. As a matter of fact, only one month—August, 1926—has reached a higher figure in the past.

The March volume of contracts awarded was 56 per cent. greater than the corresponding volume for February and 10 per cent. greater than the figure on record for March, 1926.

Special significance is being attached to these figures by experts who point to the fact that the volume of operations recorded for 1926 was the greatest shown by any previous year.

The volume of contracts awarded last month reached the 260 level on a scale which places the 1913 average at 100 as its basis.

The volume of awards made during the first three months of 1927 exceeded by 5 per cent. the volume recorded during the corresponding period in 1926.

PENNSYLVANIA REALTY CONDITIONS SOUND THOUGH BUILDING LESS ACTIVE SURVEY SHOWS

Although building permits issued in the leading cities of Pennsylvania taken as a group have shown a decided falling off this year, being no less than 18 per cent. below the 1926 record for the first quarterly period and 12 per cent. less in March, the rental situation is not unsound in the opinion of S. W. Straus & Co., nation-wide investment house, who have just completed a survey of the situation in this State. Building permits officially reported in the nineteen leading cities of Pennsylvania for the first quarter this year were \$42,275,192 compared with \$51,730,546 for the same period last year, according to the Straus reports.

"The rapid decline in building permits in Pennsylvania during the last few months, indicating the approach of a corresponding slowing up in building activities is a subject of natural inquiry," says the report. "Owing to the vast amount of money which the people both of the State and nation through S. W. Straus & Co. have invested in bond issues secured by large properties particularly in Pittsburgh and Philadelphia, we have been greatly interested in looking into the situation. While the official building permit figures reveal an unusual

decline in this State, we have found that this is largely accounted for by the slowing up in and around Philadelphia, where in some types of building there has been over production. This, however, is being rapidly adjusted to normal conditions of supply and demand through the slackened pace of operations. In Philadelphia building permits dropped nearly \$9,000,000 or 24 per cent. during the first quarter of the year. In Pittsburgh the decline was \$1,500,000 or 15 per cent. In the other Pennsylvania cities conditions are proceeding on substantially normal lines, and fundamental conditions are satisfactory.

"During the last five years we have underwritten loans in Pennsylvania amounting to \$18,490,000 secured by properties with a total appraised value of \$26,653,641 when the loans were made. These loans consist of 8 residential and 5 office buildings and commercial types in Philadelphia; 5 residential and 3 office buildings and other commercial structures in Pittsburgh.

"A survey of properties on which we have sold first mortgage bonds in Pittsburgh shows very satisfactory rental conditions. The Schenley Apartments are 92 per cent. rented; the Webster Hall Hotel is being operated on a very profitable basis and the Center Court Apartments, although only completed February 1 are 100 per cent. occupied, with an extensive waiting list of prospective tenants. Terrace Court is also 100 per cent. occupied. The entire Point Building is under lease for twelve years. The Ruskin and Ruskin Annex Building are showing profitable earnings above interest and principal charges and the same is true of the Brett Building in Altoona.

"The 1015 Chestnut Street Office Building of Philadelphia is 96 per cent. rented; Windermere Court, 94 per cent. rented; and Pine and 48th Streets, slightly less than 90 per cent. The entire Atlantic and Pacific Tea Co. building is leased for a period of ten years. The \$727,000 outstanding 6½ per cent. bonds on the Nineteenth and Spruce Sts. Apartments have been called for redemption at 102½, and a Philadelphia trust company is making a loan of \$750,000 on the property at a 5¾ coupon rate.

"Without going into greater detail along this line, we wish to sum up our investigation of conditions in Pennsylvania with the statement that in our opinion building and realty activity generally, when based upon thorough investigation of rental conditions and guided by sound judgment, should continue on prosperous lines. Certain types of building may have been carried somewhat too far in certain limited sections, and in a few cases where experience and responsibility seem to have been lacking, financial abuses have cropped out. But criticism of these in-

cidental cases should not be carried to such indiscriminate lengths that the resulting agitation tends to undermine public confidence in carefully selected and properly improved real estate and securities based thereon, probably the soundest of all forms of investment. Such agitation would ultimately have the effect of deterring builders from going ahead with necessary and warranted building improvements.

"In the financing of building operations through the medium of the first mortgage real estate bond it must be remembered, however, that only a close study of the individual property from every standpoint can determine its intrinsic soundness and desirability as security for a loan, and that the financial stability and long experience of the house underwriting the loan is also a factor that must be given due consideration by the public."

MORE EFFICIENT CONSTRUCTION

Increase the Efficiency of the Worker Rather Than Decrease the Wage

MORE EFFICIENT CONSTRUCTION is the slogan of the day among those who have done research work into construction and construction cost. This has particular reference to the matter of fabricating building material into the finished structures. An illustration of what is meant by this and the trend of the present day research is furnished by Dr. Wilson Compton, Secretary of the Lumber Manufacturers' Association, who quotes Grosvenor Atterbury, of the New York Tenement Housing Committee, as saying that today 63% of the cost of a house goes to putting the units together. That is where we get the drive on this thing of more efficient construction work. A generation ago the cost of building a house, that is the labor cost, did not represent more than 40%, the other 60% being made up of material costs. Since that time material costs have advanced considerably, but labor cost has advanced more, until today the major item of cost in the building of a home or other average structure is labor cost. Naturally, then, to hold down building costs we must figure out ways and means to reduce labor cost through some order of more efficient construction.

One theory advocated as holding out hope for cheaper housing is by the use of larger standard units, and the building of what is termed standardized houses. Mr. Atterbury is said to consider it possible to build houses of large units of concrete in about three days and at much less cost for erection than the building of brick houses. This has moved the lumber people to a study of the multitude of units involved in the material for an average home with the object in view of devising larger units and reducing the number of

these that must be fitted and fabricated to make the completed structures. Among the figures given in reviewing this subject are claims that sample concrete block houses have been reduced to about 100 units instead of the 75,000 units that appear in the same brick dwelling house including the units of supplementary building material.

Larger Units Contribute to Cheaper Construction

We have had some attention given to the theory of larger units as making for cheaper and more efficient construction in the clayworking industry. It is one of the talking points in favor of hollow tile, based on the claim that the bricklayer can lay up more wall in a day with hollow tile than he can lay with brick, because of the larger units in which the tile is made and that this contributes directly to less expensive and more efficient construction. There is an interesting point here, too, that has a lot of attention centered on it these days. And incidentally it is leading the lumber folks into efforts to cut and fit and to some extent fabricate the material for houses before it goes on the job so as to facilitate assembly and reduce the percentage of labor cost in construction. Following this idea, and the other related idea of standardizing plans and plan units it is thought practical for the lumber and millwork people to get out much of the material ready cut. And to the extent they can do this they will be able to reduce the cost of fabricating the material into the finished structure on the job. It will of course cost more to cut and fit and fabricate the material units in advance than it would to furnish the lumber in standard width and lengths just as it comes from the mill, but it is figured this cost will be less than the cost of cutting and fitting by hand on the job. Also, on paper, at least, it would serve to materially reduce construction cost on the job and that is the goal aimed at in this line of research.

The clayworking industry, and especially the brick division, is handicapped some here because of two factors. One is the rough and arduous nature of the work of bricklaying, which makes it necessary to pay comparatively high wages for skilled work in this calling to balance things up and insure enough people taking up with the calling. The other is in that so far it has been impractical to devise machines or power mechanical devices that will help here by taking on the burdensome part of the work. We have brought machinery into play a little. We have mechanical mortar mixers and we have elevators and machines and conveyors for handling the material on to the job. But so far we have not been able to provide mechanical means for taking on the burden of the hard work of fabricating brick and other

clay products into the walls, nor have we devised any striking practical means for speeding up the production per man of this kind of work. Indeed often it is the other way around, the changes in forms of construction which call for fitting in brick and tile to other structural members, such as steel framing and re-enforced concrete, makes this work more tedious and painstaking than in the past when we had plain solid brick walls. Here we have two handicap factors that furnish a problem for the clayworking industry in this drive for more efficient construction.

Permanence of Burned Clay Building Materials

To offset this we have one decided advantage, and that is permanence and quality in the material. One point named as constituting part of the hope for cheaper housing is in reducing the upkeep or maintenance. This does not help reduce the original cost but it does help in reducing the final cost and the upkeep cost. The permanence of burned clay as a building material gives it such an advantage in permanence and in lack of attention in maintenance that it justifies more in the way of original cost than where buildings are made of less durable and dependable material.

Perhaps the thing the clayworking industry needs to do is go into this matter of research study for more efficient building to find what does constitute the different items of cost, and what may be done to reduce the cost without impairing the quality and without any pinching down in the wages or compensation going to those craftsmen doing the work. The right way in efforts of this kind is, broadly speaking, not through wage cutting or curtailing the compensation of those doing the work. The right answer is to be found through developing more efficient methods so that we can accomplish more per man and that, too, without increasing the burden of work. There are two general lines to follow in seeking light here. One is that of studying waste motion and useless effort and the other is that of devising mechanical means wherever practical to take on as much as practical of the burdensome part of the work. It may not be practical for us to devise machines that will do the work of laying brick or laying hollow tile, but after all the actual labor cost of fabricating brick and tile is not the big item of cost in constructing a home or other building. Nor is the cost of the wall as a whole the major part of the cost of the home. The larger cost is made up of a multitude of details involved. It is these details we may find opportunities to speed up and improve the work of construction so as to reduce the cost. We have made some progress in mechanical mortar mixing and in the matter of handling by conveyors and elevators. Now by following through we

should be able to make other progress in other things. There is involved scaffolding and what it costs in the way of material, time and money, and there is an interesting line of research here to devise scaffolding and handling methods that will make this part of the work simpler, easier and less costly. So it is, too, with many of the other details involved in construction. There are frames to be brought on to the job and fitted into the walls, there are joists, interframing and foundation work, which involve forms. When we follow through and study each detail we may find many places to bring inventive genius into play to devise mechanical devices to help out. Also we should be able to develop through analytical study ways and means to take out waste motion and to get the work better organized and on a more efficient basis.

That is the problem before the industry, and it is up to the clayworking industry to take a part in it. It will not help or satisfy to assume and to say that the duty of the clayworking industry ends with the making and delivering of its products, and that from that time on it is the duty of architects contractors and workmen to devise ways and means to carry on more efficiently the work of construction. People in other building material lines, noticeably in the lumber industry and in cement lines, are concerning themselves seriously with this matter of more efficient construction, and by following on through and cooperating in developing the less costly construction they are promoting a wider use of their products. That is one reason why the clayworking industry cannot afford to limit its research efforts at mechanical progress to the making of product alone. It must follow on through and cooperate in the use of its products, both by standardizing and fitting the products for the best and most efficient use, and by research effort to help develop ways and means to fabricate into finished structures in the most efficient manner. And in this the industry may well go beyond the subject of the products alone. The clay products enter mainly into wall construction and the wall construction is only the outer part of the building. There are all the inner details, roofing, flooring, porches and a multitude of plan and material details involved in the modern structure, all of which count in the cost and involve work and attention. The more we can reduce the cost of these details the better are the chances to sell the public on clay products for home building. So it is up to the industry to get actively into this game of research effort to develop more efficient work on the job of construction to the end that we may progress and improve in the building industry and in the rounds promote a wider use of clay products.—*The Clay Worker.*

SELL YOURSELF AND OTHERS THE IMPORTANCE OF THE BUILDING INDUSTRY

Merchandising is the Touch-Stone of commerce and commerce lies at the basis of all civilization. There are two kinds of merchandising, one being the production of goods merely to sell; the other being the production of goods in such a manner that they build reputation and are bought readily. "Good wine needs no bush," is a proverb arising from the fact that in wine growing countries a green bush is placed in front of drinking places when a consignment of new wine is received. There are many places in front of which it never is necessary to indicate the new wine, not yet beginning to sour, is kept for sale.

The builder who laid stress during the past five or six years upon building a reputation and putting something of his aspirations and ideals into every building he erected, is reaping the fruits of his good sense. People now understand that price is a poor criterion to use when purchasing a home. The conscientious builder is a permanent member of the community. The careless builder who looks only for immediate profits is forced to go into other work.

The interdependence of all lines of work upon the construction industry is something that is sinking deeper and deeper into public understanding. The building contractor is a merchandiser primarily and, like all good merchandisers, is a buyer of many things that come into the market. He and his employees keep many factories busy. A halt in building is little short of a calamity.

The construction industry in yearly volume and money involved ranks second to agriculture in the main divisions of national wealth. In order they are as follows: Agriculture, Construction, Manufacturing, Transportation and Communications, Mining, Lumbering; fluctuations in the volume of actual construction affecting seriously all of the other divisions.

A few years ago the American Construction Council stated that out of something like four million people employed in the major industries of the United States the divisions were as follows:

Men working on field construction, 24.96%; men working upon the manufacture of construction materials, 24.96%; coal mining, 19.33%; electrical apparatus, 5.28%; automobiles, 5.26%; boots and shoes, 5.26%; men's clothing, 4.37%; women's clothing, 4.15%; furniture, 3.44%; newspapers and periodicals, 2.99%.

It was also shown that the factories of the country consumed over 40% of the bituminous coal used, and approximately one-fourth of the men employed in manufacturing industries are employed upon

materials to be used in construction.

Another 40% is consumed by railroads, one-fourth of which is estimated to be used in transporting materials and fuel for the construction industry. Traction lines and other public service companies earn a great part of their income in serving the vast number of construction workers and their families. Today construction is an even larger part of American industry than it was four or five years ago.

Each individual in the Building Industry should realize his importance in the economic life of the community in which he resides and should govern himself accordingly when talking to others not in the building trades. Give the impression that your industry occupies such an important position as has herein been set forth.—*East Bay Builder*.

Fire, which in spite of every effort now exerted is causing an increasing loss of life and property in the United States, is to be treated for the first time in history as a scourge which can be eradicated by the same scientific and systematic methods as those applied in disease plagues.

Faced by the growing economic burden imposed by fire waste, a group of prominent business leaders throughout the country are organizing a concerted attack on the fire menace designed to save thousands of lives and hundreds of millions of dollars within the next five years. A statement of the plan was issued today from the office of Irving T. Bush, president of the Bush Terminal Co., who is national chairman for a committee of representative men which is raising a fund of \$500,000 with which to finance the fight on fire.

When this fund is obtained, ten skilled fire prevention engineers will operate for the next five years wherever the local loss record indicates that fire conditions should be remedied. Supervised by the National Fire Protection Association, which has made a scientific study of fire causes for the past 31 years, these men will work through local fire prevention agencies and civic organizations. The National Fire Protection Association is a non-commercial organization which coordinates the efforts of all fire protection agencies and is independent of all special interests.

During the past two years this Association has sent out two fire prevention engineers as an experiment to determine what could be accomplished by field work. The fight against fire has been carried to eighty different localities so successfully that with ten field engineers operating under the same plan of getting cities to protect themselves fire losses can be cut down from 25 to 50 per cent within five years, Mr. Bush stated.

"Since the World War America has lost more lives through fires than were lost

in the War itself," Mr. Bush said. "We have destroyed in property during the same period the equivalent of two-thirds of the national wealth of Belgium. The damage Germany did to Belgium during the War was infinitesimal in comparison to the fire ravages we permit in America. The annual cost of fires in this country now is 12,000 lives and \$500,000,000 in property. The waste is increasing instead of decreasing, and unless we have sense enough to put a stop to this colossal carelessness we are going to impoverish ourselves sadly."

Most of the fire losses last year resulted from carelessness with matches and cigarettes, according to the records of the National Fire Protection Association. With this carelessness goes failure to protect inflammable structures. With proper construction, sprinkler systems, fire alarms, fire stop walls and other precautions fires can be checked before they cause material damage. The Association estimates that 90 per cent. of all fires are easily preventable and the other ten per cent. controllable.

"One of the reasons for the callous attitude toward fires in America," Mr. Bush said, "is the fallacy entertained by most people in respect to insurance. It is commonly supposed that fire insurance companies are the losers through fires. The fact is that fire insurance companies only distribute the losses, and premium payers actually pay them, passing the loss on where possible to the public."

"In America the per capita cost annually is \$5.00, as compared to less than fifty cents in Europe. The attitude of any community toward fire prevention is written into its insurance rates."

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—*Elbert Hubbard*.

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Many a man would do a better job if he didn't know about putty.—*Ex.*

The impractical dreamers are not the architects, but the clients themselves, as a rule.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS
Compressed Air Service Corp. 1015 Chestnut St., Phila.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES
Service Supply Corp.20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co.Columbia and Howard Sts., Phila.

CAISSONS
Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING
Libman, S.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CURTIS WOODWORK
Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co.1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr.829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

DOOR BEDS
Truscon Laboratories1505 Race St., Phila.

MURPHY DOOR BED CO. 512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION
Welsbach CompanyGloucester, N. J.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

POTTS, HORACE T., & CO. Erie Ave. & "D" St., Phila.

REISBORD, WOLF 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS
Blackburn, Wm. N.Drexel Hill, Pa.

FIREPLACE THROATS
Blackburn, Wm. N.Drexel Hill, Pa.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOOR HARDENER
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories1505 Race St., Phila.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co.2313 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

FLOORING (Steel)
Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FOUNDATIONS
Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co.Westmont, N. J.

GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

GYPSUM PRODUCTS
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co.Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co.11th and Noble Sts., Phila.
Lederle, Robt. B., & Co.Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

REISBORD, WOLF 138-140 N. 55th St., Phila.

WHARTENBY, HARRY A. 1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

GILLINGHAM CO. Norris and Richmond Sts., Phila.

KETCHAM, HOWARD 3rd and Girard Ave., Phila.

SHAW, JAMES, & SON CO. 52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

ROMAN MOSAIC & TILE CO. 435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.

MERCALDO, VINCENT 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co.Norris and Richmond Sts., Phila.

SHAW, JAMES, & SON CO. 52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F. Co.125 S. 12th St., Phila.

PILES
Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Sterling, Joseph.....South Merchantville, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

REINFORCING BARS
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co.Fuller Bldg., Phila.
H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Service Supply Corp.20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

JOHN NACEY CO. 7254 Paschall Ave., Phila.

WARREN-EHRET CO. Luzerne and "E" St., Phila.

ROOFING MATERIALS
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

JOHN NACEY CO. 7254 Paschall Ave., Phila.

PENNSYLVANIA GYPSUM CO. Franklin Trust Bldg., Phila.

WARREN-EHRET CO. Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Hood Tile Co.S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg. Co.2317 Walnut St., Phila.
Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

WEST JERSEY SAND & SUPPLY CO. Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

SHAW, JAMES & SON CO. 52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.
Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

KETCHAM, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belfi Bros. Co.1923 Market St., Phila.
Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

ROMAN MOSAIC & TILE CO. 435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Well, J. H., Co.1315 Cherry St., Phila.

VERNEERS (Wood)
H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD, COMPO BOARD
Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD
Pearce Fireproof Co.1911 N. 2nd St., Phila.
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

SHAW, JAMES & SON CO. 52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.
Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

SEAL-A-VOID CO. 1126 So. 11th St., Phila.

TRUSCON LABORATORIES 1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Audubon Wire Cloth Co.Audubon, N. J.
Potts, Horace T., & Co. Erie Ave. and D St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co.Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

The Building Business is One of Risks

At the best, the builder has a lot of responsibilities. But the fire risk is one that he can shift to other shoulders.

Builders' Risk Insurance protects him from monetary loss by fire while a building is under construction.

Your agent will be glad to tell you without obligation, the advantages of these policies.

Insurance Company of North America

PHILADELPHIA

and the

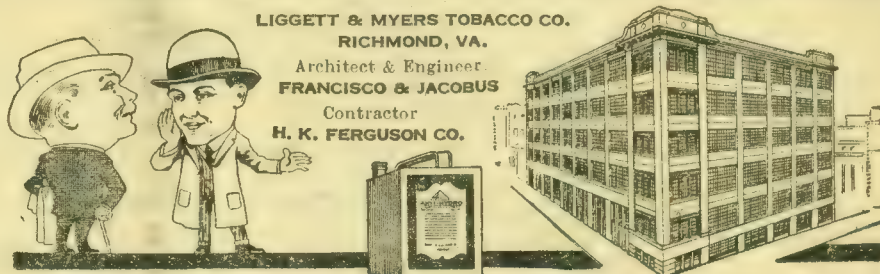
*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

Fatima Cigarettes Are Made In An "ANTI-HYDRO" Waterproofed Factory

The basement in the Liggett & Myers factory was *permanently* waterproofed and dampproofed in *one operation* and at one cost of less than 1 1/2 cents a square foot by using "ANTI-HYDRO" in the one-inch concrete floor topping.

Large bales of tobacco, which must be kept dry to prevent rotting, are stored in this basement. They weigh from 600 to 700 pounds and are continually trucked over the concrete floor. Since "ANTI-HYDRO" both hardens and waterproofs concrete at the same time, it protects the floor from wear as well as water.

"ANTI-HYDRO" is easy and economical to use. Being a liquid integral agent it mixes readily with the gauging water without the aid of skilled labor. Twenty-three years of continuous use on every type of concrete work has made "ANTI-HYDRO" the accepted standard. Use it on your next job for *guaranteed* satisfaction.



Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 22
June 1, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P.G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P.G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

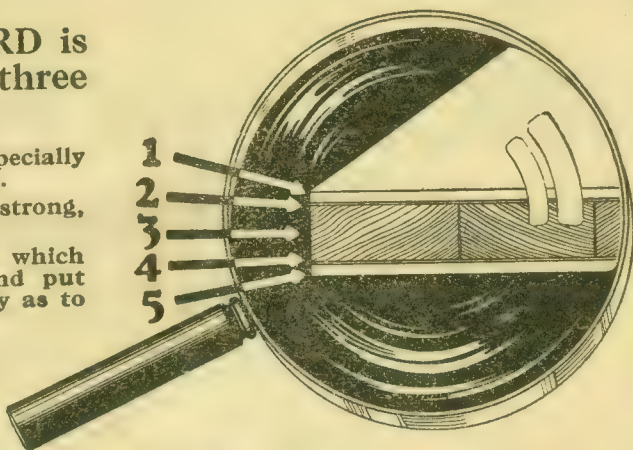
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Know—

all the cheap tricks that land jobs,
but that don't make friends and
keep satisfied customers, which are
the things we are in business for.

Our large satisfied clientele testifies
to our ability to keep friends.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR

ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY

WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

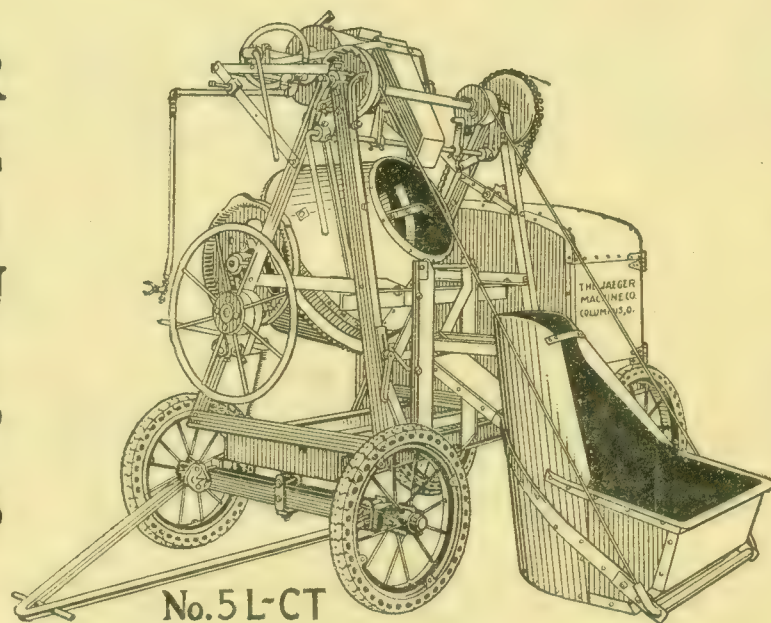
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

R
E
S
U
L
T
S



S
E
R
V
I
C
E

JAEGER MIXERS

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA



LOW PRESSURE
Electric Refrigeration
by
Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

**FABRICATED STEEL
IRON BARS**

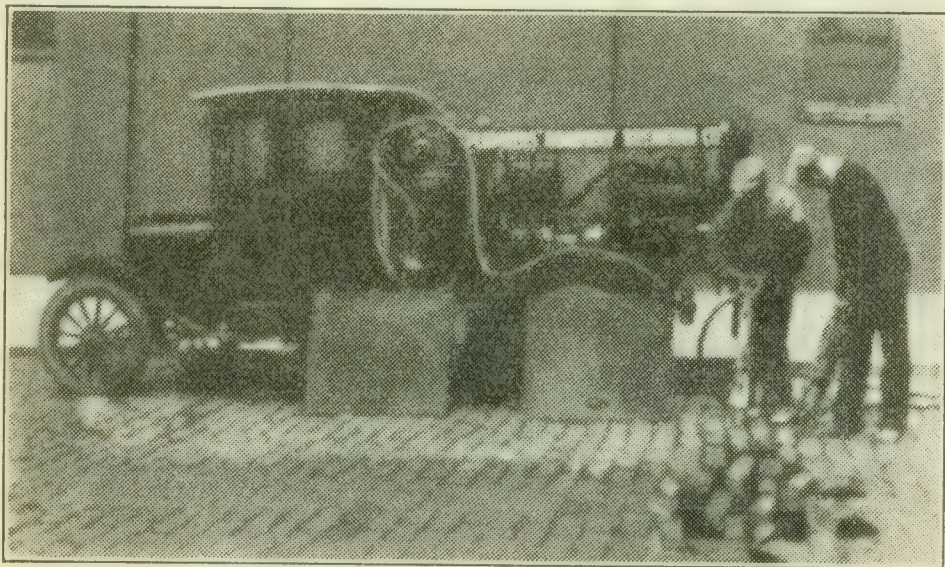
**RICHARD DeCOU CO.
Steel Warehouse**

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.
52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES :

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

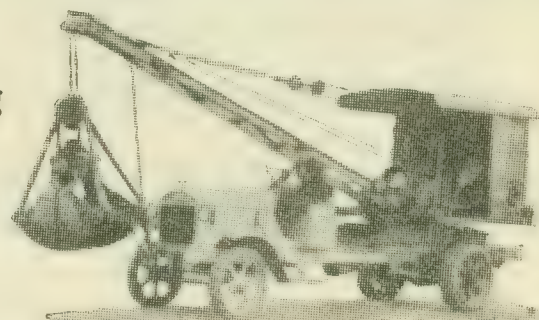
PHILADELPHIA

Jefferson 6800

East 7785

Excavating

Steel
Erecting



Trench
Work

Car
Unloading

CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

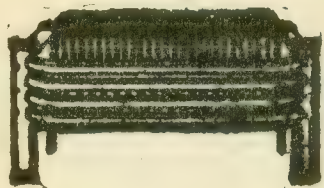
GEORGE W. PALM
4514 North Front Street
PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

Go to **HENRY M. MILLER**

50 North 2nd Street

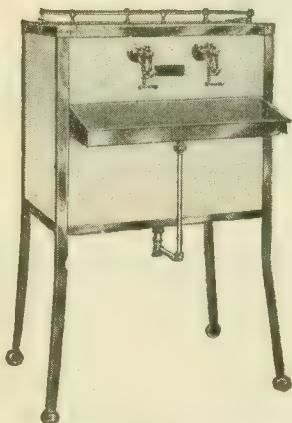


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. CO.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 22

PHILADELPHIA
June 1, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, near Stenton Station of Reading Railroad, Philadelphia. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, 4 stories, 19 apartments, electric light, hardwood floors, tile work. Plans in progress.

Church (int. alts. and renovation), Germantown and School Lane, \$10,000. Architects, G. N. Dobbins and H. L. Cain, 1718 Cherry street, Philadelphia. Owners, Market Square Presbyterian Church, on premises. General interior alterations, painting, composition and linoleum floors. Plans in progress. Will be ready for sub-bids in ten days.

School, Sixty-eighth and City Line, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends' Central School, on premises. Frame, 2 stories. Plans completed. Ready for bids in a few days.

Residence and Stores (2), 6114-16 Germantown avenue, Philadelphia, \$10,000 each. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, A. R. Smith & Co., 101 West Cheltenham avenue, Philadelphia. Brick, east stone, steel, 2 stories and basement, 16x47 feet, 12x20 feet, slag roof, pine floors, cement floors, plumbing, hot water heat, electric light, metal lath, tile work, ornamental iron, area gratings. Permit issued.

Manayunk Central (alts. and add.), Terrace and Grape streets, Manayunk, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of

America, Seventeenth and Parkway, Philadelphia. Reinforced concrete, brick, cut stone, steel, 1 story and basement and sub-basement, 33x43 feet, slag roof, composition and cement floors, hollow tile, plumbing, steam heat, electric light, metal lath, hollow metal doors, bond, iron stairs, ornamental iron work, wrought iron pipe. Architect taking bids due June 7th.

Store and Apartment, Sixty-third and Girard avenue, Philadelphia. Architect, private plans. Owners, Ray E. Seylor, Inc., 6307 Girard avenue, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 130x34 feet, slag roof, oak, pine and cement floors, steam heat, electric light, metal lath, ornamental iron work. Owners taking bids due as soon as possible.

Recreation Building, Cheltenham avenue and Ardleigh street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Brick, cut stone, steel, 2 and 1 stories and basement, 122x44 feet, wing 81x44 feet (plumbing, heating, electric separate), 43x62 irregular, slag roof, tin roof, cement and maple floors, metal lath, roof ventilators, metal window guards, metal ceilings, kalamein doors, bond, ornamental iron work, area gratings, granite, limestone, steel lockers, steel partitions. Owners taking bids due June 6th, 11 A. M. (Standard Time).

Home, Parkside and Belmont avenues, Phil-

adelphia. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Edwin Forrest Home, W. E. Herring, 126 North Twelfth street, Philadelphia. Reinforced concrete, brick, steel, 2½ stories and basement, 88x35 feet, (2) wings 20x32 feet, slate roof, plumbing, flagstone, steam heat, electric light, metal lath, tile work, rolled steel sash, bond. Architect taking bids due June 8th, 3 P. M.

Factory, Amber and Tioga streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Gill Glass Co., on premises. Reinforced concrete, brick, 2 stories and basement, 150x250 feet (plumbing, heating, electric and ventilating separate), slag roof, cement floors, elevators, rolled steel sash, bond, ornamental iron work. Architect taking bids due June 8th, 11 A. M. (Standard Time).

Store Building (alts.), 27-29 Maplewood avenue, Philadelphia. Architect, private plans. Owner, August B. Schulte, agent, Willow Grove avenue, Chestnut Hill. Brick, east stone, steel, 2 stories and basement, slag roof, steam heat, electric light, metal lath, tile work. Owner taking bids due as soon as possible.

City Hall Annex, Juniper and Filbert streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Property, Bureau of Public Works, City Hall. Owners taking bids due June 14th, 11 A. M. (Standard Time).

Residence, Sedgwick avenue, Germantown,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, Louis E. Block, 7024 McCallum street, Philadelphia. Architect taking bids due June 4th.

Show Room, 6312 Rising Sun avenue, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owners, Coulston MacFarlane, Inc., on premises. Brick, 1 story. Plans completed. Architect ready for bids.

Residence and Garage, Northwest side Coulter street, West of Fox street, Philadelphia. Architect, George S. Idell, 17005 Chestnut street, Philadelphia. Owner, Philip H. Broeklesby, 128 Chestnut street, Philadelphia. Stone, 2 stories, 24x61 feet, 1½ stories, 22x23 feet, hardwood floors, cement work, hot water heat, metal lath, tile bath, steel basement sash. G. H. English, Greene and Chelton avenue, Philadelphia, taking sub-bids.

Restaurant (alts.), 116 South Thirteenth street, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Boothby's, on premises. Architect taking bids due June 4th at noon.

Alterations, 2433 North Seventh street, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, name withheld. Architect taking bids due June 3rd at noon.

Miscellaneous School Work, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due June 7th, 11 A. M. (Standard Time). Bond. Junior High School, Montgomery avenue and Thompson street, general construction, heating, electric, plumbing, ventilating. Normal School, Thirteenth and Spring Garden streets, Philadelphia, alterations and additions. Various schools, cabinet and kitchen equipment, sanitary improvements, boilers, repairs and painting of roofs and flag poles, painting, paving, thermostats, tearing down buildings, wire screens, miscellaneous stock and repair work, etc.

Supplies, Board of Education, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Furniture, sand paper, steel lockers, hardware, kitchen equipment. Owners taking bids due June 7th, 11 A. M. (Standard Time). Bond.

Mezzanine Floor, etc., United States Post Office, Philadelphia. Owners, United States Government. J. A. Wetmore, Treasury Department, Washington. Owners taking bids due June 17th, for construction of new mezzanine floors, etc., in postal stamp vault.

Pennsylvania Railroad Work, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due June 6th at noon. No. 59, steel superstructure for bridges. No. 60, double cross-overs.

Apartment House, 4804-06 Chester avenue, Philadelphia, \$135,000. Owners, B. & J. Rubin, 1211 Chestnut street, Philadelphia. Brick, 4 stories, 70x31 feet, 54x25 feet, slag roof, hardwood and pine floors, electric light, tile work. Permit issued.

Residences (8), North side Dorset street, East of Anderson street, \$64,000. Architect, private plans. Owner, John Uber, Stenton and Mt. Pleasant avenues, Philadelphia. Brick, 2 stories, 20x35 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (3), East side Thirteenth street, North of Godfrey avenue, \$24,000. Architect, private plans. Owner, George Wenter, 1800

Medary avenue, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (25), North side Godfrey avenue, West of Fourth street, Philadelphia, \$100,500. Architect, private plans. Owner, Harry Schmitt, 5241 North Second street, Philadelphia. Brick, 2 stories, 15x27 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Pipe Hanger Platform, Penrose Ferry and Schuylkill avenue, \$23,000. Owners, Gulf Refining Co., on premises. Size 190x50 feet. Permit issued.

Residences (4), West side Salmon street, North of Alresford street, Philadelphia. Architect, private plans. Owner, Frank Sikowski, 4478 Edgemont street, Philadelphia. Brick, 2 stories, 15x48 feet, 12x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (66), 601-75 and 622x76 Wenderover street, Philadelphia, \$290,400. Architect, private plans. Owners, Equity Const. Co., 1800 South Fifteenth street, Philadelphia. Brick, 2 stories, (1) 16x51 feet, (65) 15x28 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (40), West and East sides Rodney street, South of Haines street, \$112,800. Architect, private plans. Owners, Mahon & Coffin, Oak Lane Trust Co. Building, Philadelphia. Brick, 2 stories, 14x25 feet, 11x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (22), West side Fifty-eighth street, North of Lebanon avenue, \$89,000. Architect, private plans. Owner, Max Shapiro, 5947 Pine street, Philadelphia. Brick, 2 stories, 16x29 feet, 12x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (13), South side Nedro avenue, East of Hope street, \$82,000. Architect, private plans. Owner, Carl Metz, 315 West Rockland street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x10 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (36), West side Front street, North of Grange street, \$158,800. Architect, private plans. Owners, Mulholland & Gotwals, 123 Grange avenue, Philadelphia. Brick, 2 stories, 15 feet 10 inches x 29 feet, 11x13 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, 715-17-19 South Fiftieth street, Philadelphia, \$17,000. Architect, private plans. Owner, Samuel R. Edge, 5014 Willows avenue, Philadelphia. Brick, 2 stories, 60x85 feet, slag roof, cement floors, electric light. Permit issued.

Residences (2), South side Bartram avenue, East of Eighty-sixth street, \$8,000 total. Architect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, rear of 4351 Josephine street, Philadelphia, \$4,000. Architect, private plans. Owner, B. Cerruti, 1835 Orthodox street, Philadelphia. Brick, 2 stories, 21 feet 10 inches x 30 feet, hot water heat, electric light. Permit issued.

Store (alts.), 3424 Germantown avenue,

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Philadelphia, \$6,500. Architect, private plans. Owner, Conrad Zetzer, 5624 Park avenue, Philadelphia. General alterations. Permit issued.

Residence and Store (add. and alts.), 812 East Passyunk avenue, \$3,500. Architect, private plans. Owner, L. Searduzio, on premises. Brick, 2 stories add., 12x22 feet, general alterations. Permit issued.

Garage, 4913-15 Lawrence street, Philadelphia, \$2,000. Architect, private plans. Owner, Thomas J. Zeiser, 4411 North Fourth street, Philadelphia. Brick, 1 story, 100x19 feet, slag roof, cement floors, electric light. Permit issued.

Building, Twelfth, Eleventh, Reed and Wharton, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, 215 City Hall. Brick, steel, 1 story, 110x50 feet (plumbing, electric separate), slag roof, cement floors, ornamental iron work. Low bidders: Conneen Const. Co., 2313 Walnut street, Philadelphia, \$10,444; Graham Chambley Co., 3649 Filbert street, Philadelphia, \$10,888. Plumbing, Fred Gotshall, 1313 Fairmount avenue, Philadelphia, \$297. Electric, Industrial Elec. Co., 2710 South Darien street, Philadelphia, \$365.

General Theatre, S. W. Cor. 69th and Elmwood street, Phila. Architect, Wm. H. Lee, Schaff Building, Phila. Owners, Green & Altman, Hyman Building, Phila. Brick, steel, limestone, 2 stories and 1 story and balcony, 144x92 feet, steam heat, slag roof, cement floors, plumbing, bond, ornamental iron work. Architect taking bids due June 3rd.

Residences N. Side Tudoe street, W. of Leon street (26), \$170,000. Architect, private plans. Owners, Connor & Phillips, 1929 Diamond street, Phila. Brick, 2 stories 16x31; 12 x11 feet, slag roof, hardwood and pine floors, hot water heat. Permit issued.

Residences (12), S. Side Carpenter's Lane, W. of Sherman street, \$60,000. Architect, private plans. Owner, J. Walter Hemple, 217 W. Venango street, Phila. Brick, 2 stories, 20x32 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Art Museum, (McFadden Collection Wing), Parkway, Philadelphia. Architects, Trumbauer, Zantinger & Borie, Land Title Bldg., Phila. Owners, Park Commissioners, 127 City Hall. Brick, cut stone, steel, terra cotta. Plans in progress.

Warehouse, 2110 Reed street, Phila. Architect, William L. Charr, Victory Bldg., Phila. Owner, S. Sollin, 1410 Point Breeze Ave., Phila. Brick, steel, 2 stories, irregular in size, steam heat, electric light, metal lath, rolled steel sash, hollow metal skylights, fire doors, bond, water and dampproofing, wood

floors, slag roof. Plans completed. Owner building.

School, 68th and City Line, Phila. Architects, Heacock & Hoakanson, 1211 Chestnut street, Phila. Owner, Friends Central School, on premises. Architect taking bids due June 7th, 3 P. M.

Miscellaneous Work, Phila. Owner, Dept. of Public Work, Bureau of Highways, 216 City Hall. Inquire Room 232, certified check 5%. Owner taking bids due June 7th, 11 A. M. (S. T.). Bridge to old Shore street, Phila.

Heating, Lawndale Theatre, Rising Sun and Oxford street, Phila. Architects associated, The Ballinger Co., and W. Ellis Groben, 12th and Chestnut streets. Owner Oxford Theatre Corporation, care of T. Kirmse, 6500 Rising Sun Ave. Architects taking bids due June 3rd.

Miscellaneous Work, Phila. Low bidders: Owner, Department of Public Works, Bureau of Highways, 216 City Hall. Holmes Ave., Holmes Circle to Willits street, Union Paving Co., 30th and Locust streets, Phila., \$31,911.50. Demolition of Buildings, Clifford avenue, etc., J. J. Dougherty, 3607 Fairmount Ave., Phila., \$1,350. Cheltenham Ave., Rising Sun to Bingham, Union Paving Co., 30th and Locust streets, \$12,857.88. Colgate street, Godfrey to Van Kirk, Union Paving Co., 30th and Locust streets, \$16,218.83. Conshohocken Ave., Belmont avenue to 46th street, Union Paving Co., 30th and Locust streets, \$14,611.29. Eastburn Avenue, Limekiln Pike to 31st street, Union Paving Co., 30th and Locust streets, \$11,633.50. Paving Glen Echo Road, McSalum to Emlen, Union Paving Co., 30th and Locust streets, Phila., \$12,039.96. Godfrey Ave., Tabor to Bingham, Union Paving Co., 30th and Locust streets, Phila., \$11,427.70. Grange street, 15th to York Road, Union Paving Co., 30th and Locust streets, Phila., \$5,972.30. Haines, Broad to 15th street, Union Paving Co., 30th and Locust streets, Phila., \$6,827.75. Bogerman, Sanger to Foust streets, Union Paving Co., 30th and Locust streets, Phila., \$5,252.35. Qutalauma, 15th to 16th streets, Union Paving Co., 30th and Locust streets, Phila., \$10,419.95. Ontario, Richmond to Allen streets, Union Paving Co., 30th and Locust streets, Phila., \$5,174.58. Ontario, Tulip to East of Cedar street, Union Paving Co., 30th and Locust streets, Phila., \$12,605.19. Phil-Ellena, Anderson to Stention Ave., Union Paving Co., 30th and Locust streets, Phila., \$15,539.41. Robinson street, Haverford avenue to Girard avenue, Union Paving Co., 30th and Locust streets, Phila., \$5,844.85.

Sanger, Lorretta to Roosevelt Blvd., Union Paving Co., 30th and Locust streets, Phila., \$6,420.10. Sedgwick, Germantown to Momer, Union Paving Co., 30th and Locust streets, Phila., \$12,659.15. Summerdale Avenue, Cheltenham to Sanger street, Union Paving Co., 30th and Locust streets, Phila., \$9,744.15. Torresdale avenue, Robbins avenue to Cottman avenue, Union Paving Co., 30th and Locust streets, Phila., \$109,594.85. Tabor Road, Broad to 6th street, Union Paving Co., 30th and Locust streets, Phila., \$40,222.62. 65th street, Dicks avenue to Grovers avenue, Union Paving Co., 30th and Locust streets, Phila., \$4,436.18. Charles street, Brill to Comply, Union Paving Co., 30th and Locust streets, Phila., \$25,751.39. F street, Roosevelt Blvd. to Ruscomb, Union Paving Co., 30th and Locust streets, Phila., \$13,697.88. Ann street, Frankford, Trenton, Orleans, etc., Union Paving Co., 30th and Locust streets, Phila., \$18,949.91. Quine street, Locust to Spruce, C. C. Centrone, Bailey Bldg., Phila., \$3,478.50. Wister, Cottage to Penn, Union Paving Co., 30th and Locust streets, Phila., \$10,285.90. 11th street, Girard to Columbia, Union Paving Co., 30th and Locust streets, Phila., \$27,380.60. Chancellor, 17th to 18th, C. C. Centrone, Bailey Bldg., Phila., \$5,000.50. Cone, paving material, Eastern Asphalt Co., Penna. Bldg., Phila., \$7,100. Asphalt Paving Mixture, Barber Asphalt Co., \$23,150.00.

SALES ENGINEERS wanted in Eastern Pennsylvania, New Jersey and Maryland. Men familiar with architects and contractors, to estimate and sell floor covering used in public, commercial and industrial buildings.

Box 1, Builders' Guide, Philadelphia, Pa.

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—Making advertising pay.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

**Real Estate Trust Building
PHILADELPHIA**

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

on "Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

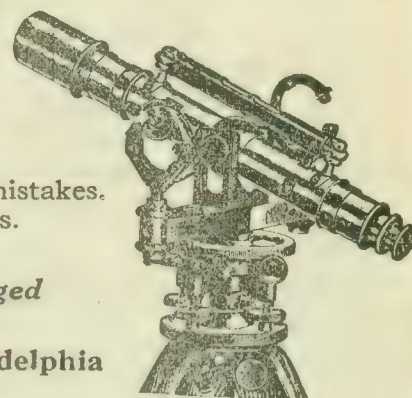
Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



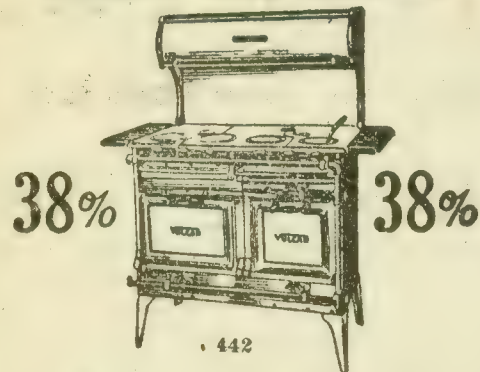
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

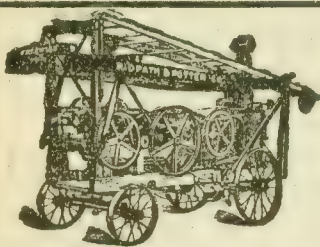
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

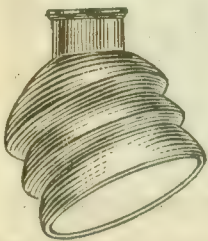


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Boiler Room and Cold Storage Building No. 1, 2201 Belmont Ave., Phila. Owner, Board of Trustees of the Home for the Training of Deaf Children, Miss G. A. McClelland, on premises. Alterations and additions to building, concrete work, brick work, carpentry, iron work, hardware, changes to steam and return piping to heating plant, electric (heating and electric separate). Contract awarded to S. Sidney Lewis, Real Estate Trust Bldg., Phila.

Residence (add.) and Garage, No. 533 E. Walnut Lane, Phila., \$2,500. Architect, private plans. Owner Jos. H. Ewing, on premises. Brick, 2 stories, 16x18 feet, slag roof, pine and cement floors. Contract awarded to E. R. Clark, 526 E. Walnut Lane, Phila.

Residence and Store (adds.), 4444 Germantown Ave., \$2,000. Architect, private plans. Owner, Wm. D. Walton, on premises. General alterations. Contract awarded to Thos. M. Keeley, 4411 Germantown Ave.

University Bridge, Thirty-fourth street, across Schuylkill River. Owners, City of Philadelphia, Bureau of Engineering, 216 City Hall. Girder spans (4) and one double leaf bascule span. Contract awarded Dravo Contg. Co., Diamond Bank Bldg., Pittsburgh, Pa., \$1,288,625.

Nurses' Home, Eighteenth and Fitzwater streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Children's Hospital, Benjamin Rush, on premises. Brick, cut stone, steel, granite, limestone, 6 and 7 stories and basement, 4 stories and basement, 14x38 feet, 46x44 feet, slag and tile roof, cement and maple floors, hollow tile, elevators, safety treads, roof ventilators, architectural terra cotta, bluestone, incinerators, metal weather strip, metal lath, tile, marble and terrazzo, hollow metal sash, rolled steel skylights, steel casement windows, ornamental iron work, dumb waiters, rubber floors. Contract awarded Haeverstick & Borthwick, Schaff Building.

Garage, 1602 Chancellor street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, I. Sley, on premises. Reinforced concrete, brick, 8 stories and basement, 77x50 feet, slag roof, cement floors, elevators, plumbing, steam

heat, electric light, metal lath, hollow metal sash, rolled steel skylights, Peele and hollow metal doors, ornamental iron work, art stone, cast concrete, steel pipe, oil burners, concrete footings. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Drug Store, Seventh and Pine streets, Philadelphia. Architect, Edward A. Roth, Drexel Building, Philadelphia. Owner, Nathan Brenner, Seventh and Pine streets, Philadelphia. Brick, steel, cast stone, 3 stories and basement, 20x40 feet, Spanish tile roof, cement and composition floors, hot water heat, electric light, oil burner, tile work, metal lath, ornamental iron work. Contract awarded H. M. Shandles, 617 Pine street, Philadelphia.

Garage, Cherry street and Carlisle and Burns street, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owners, Mastbaum Brothers & Fleisher, 1342 South Penn Square, Philadelphia. Brick, steel, 4 stories and basement, 66x200 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, bond, ornamental iron work. Contract awarded to Golder Const. Co., 263 South Fifteenth street, Philadelphia, who are taking sub-bids.

Church, Godfrey and Castor road, Philadelphia, \$24,000. Architects, G. N. Dobbins and H. L. Cain, 1716 Cherry street, Philadelphia. Owners, Trinity Methodist Episcopal Church, on premises. Stone, steam heat, electric light, slate roof, pine floors. Contract awarded Nasis & Hergesheimer, York road and Sampson street, Willow Grove, Pa.

Residence for Superintendent, Broad and Cottage streets, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Mt. Sinai Cemetery, on premises. Contract awarded Rush Brothers, 4682 Darrah street, Philadelphia.

Grandstand Repairs, Northeast Corner Fifteenth and Huntingdon streets, Philadelphia, \$40,000. Architect, P. M. Sax, Penfield Building, Philadelphia. Owner, Charles W. Murphy, Chicago, Ill. Contract awarded A. Raymond Raff Co., 1635 West Thompson street, Philadelphia.

Store and Apartment (add.), 147 North Eighth street, Philadelphia, \$28,000. Architect, private plans. Owner, L. Footer, 147 North Eighth street, Philadelphia. Brick, 4 stories add., 21x61 feet, slag roof, electric

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

light. Contract awarded to H. Clyman, 2407 North Marshall street, Philadelphia.

Residence (add. and alts.), 4528 Frankford avenue, Philadelphia, \$10,000. Architect, private plans. Owner, H. G. Thaiss, on premises. Brick, 1 story add., 16x42 feet, general alterations. Contract awarded to John D. Fotheringham, 1000 Arrott street, Philadelphia.

Residence (add. and alts.), 645 North Forty-fourth street, Philadelphia, \$5,000. Architect, private plans. Owner, James Hill, on premises. Brick, 1 story add., 10x13 feet, general alterations. Contract awarded to W. R. Waymon, 741 South Chadwick street, Philadelphia.

Residence and Store (add. and alts.), Northeast Corner Frankford avenue and Bridge street, Philadelphia, \$4,500. Owner, Jacob Braxemeyer, on premises. Brick, 1 story add., 18 feet 5 inches x 33 feet, general alterations. Contract awarded to John D. Fotheringham, 1000 Arrott street, Philadelphia.

Residences (2), North side Rhawn street, East of Fairview street, \$8,000. Architect, private plans. Owner, Frank G. Castor, 8204 Frankford avenue, Philadelphia. Brick, 2 stories, 16x41 feet, slag roof, electric lighting. Contract awarded to Carl F. Knauer, 8028 Frankford avenue, Philadelphia.

Building (add. and alts.), Northeast Corner Seventeenth and Allegheny avenue, \$5,000. Owners, I. O. O. F. of Pennsylvania, on premises. Brick, 3 stories add., 14x9 feet 6 inches, general alterations. Contract awarded to H. P. Werner, 3245 Germantown avenue, Philadelphia.

Residence, West side Holstein street, South of Eighty-sixth street, Philadelphia, \$4,800. Owner, James A. Young, Eighty-sixth and Holstein avenue, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, hot water heat, electric work. Contract awarded to Thomas Paterson, Eighty-first and Eastwick avenue, Philadelphia.

Residence, Northwest Corner Rhawn and Palmetto streets, Philadelphia, \$7,000. Architect, private plans. Owner, Anna May, 5958 Shishler street, Philadelphia. Brick, frame, 2 stories, 24x29 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to George May, 5938 Shishler street, Philadelphia.

Building (alts.), 216 North Broad street, Philadelphia, \$4,000. Owners, Hahnemann Hospital, 216 North Broad street, Philadelphia. General alterations. Contract awarded to Frank G. Stewart, 1520 Locust street, Philadelphia.

Rooming House (add. and alts.), 4021 Market street, Philadelphia, \$4,000. Architect, private plans. Owners, Greenbalt & Rubin, on premises. Brick, 1 story add., 28x5 feet, general alterations. Contract awarded to George S. Roe, 7711 Lyons avenue, Philadelphia.

Pennsylvania Construction News

Residence and Garage, Swarthmore, Pa. Architect, J. Linard Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 26x68 feet, garage, 18x20 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Theatre, Bellfonte, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Richelieu Theatre, Bellfonte, Pa. Brick, 1 story, 500 seating capacity. Plans in progress.

Infirmity, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Penn State College, State College, Pa. Brick, 3 stories. Preliminary plans in progress.

Stores and Apartments (add. and alts.), Main street, Royersford, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Royersford Trust Co., R. F. Grander, treasurer, Royersford, Pa. Brick, 3 stories and basement, 33 feet 9 inches x 54 feet, tin roof, yellow pine floors, fire stairs (heating, plumbing and electric lighting reserved). Plans in progress.

Club House (alts. and add.), 440 Wyoming avenue, Scranton, Pa. Architect, L. Reisman, Miller Building, Scranton, Pa. Owners, Young Men's Hebrew Association, Myer Davidow, 212 Wyoming avenue, Scranton, Pa. Brick, 4 stories. Architect selected.

School, Penn avenue, Scranton, Pa., \$180,000. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, St. Paul's Roman Catholic Church, Rev. D. J. Connor, 1510 Penn avenue, Scranton, Pa. Brick, 3 stories. Plans in progress.

Club House (alts.), Washington avenue, Scranton, Pa., \$50,000. Architects, E. H. Davis and George M. Lewis, Board of Trade Building, Scranton, Pa. Owners, Scranton Club, H. Conrad, 715 North Irving street, Scranton, Pa. Brick, 3 stories. Preliminary plans in progress.

Residence, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, I. J. Kohler, care of architect. Brick, hollow tile, 2½ stories, 30x45 feet, tile roof, hardwood floors, vapor heat, electric light, tile work. Architect ready for bids.

Residence, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Isaac Phillips, 1311 Hamilton street, Allentown, Pa. Brick, stucco 2½ stories, 62x32 feet, tile roof, tile and hardwood floors, hot water heat, electric light, tile work, cast stone, casement windows. Owner will sublet.

Residence and Garage, Rosemont, Pa. Architect, Edwin A. Yeo, 1520 Locust street, Philadelphia. Owner, C. E. Wilson, Bryn Mawr, Pa. Stone, 2½ stories. Plans about completed. Architect ready for bids in a few days.

Factory, Lansdale, Pa. Architects, Franklin & Conner, Inc., Otis Building, Philadelphia. Owners, Perfect Foods, Inc., on premises.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

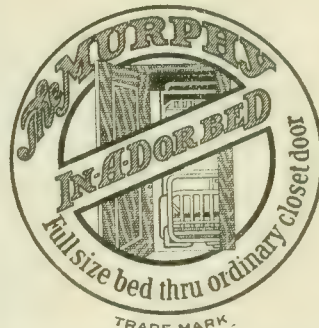
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ben
19 W

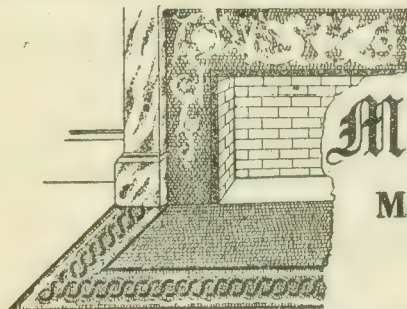
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

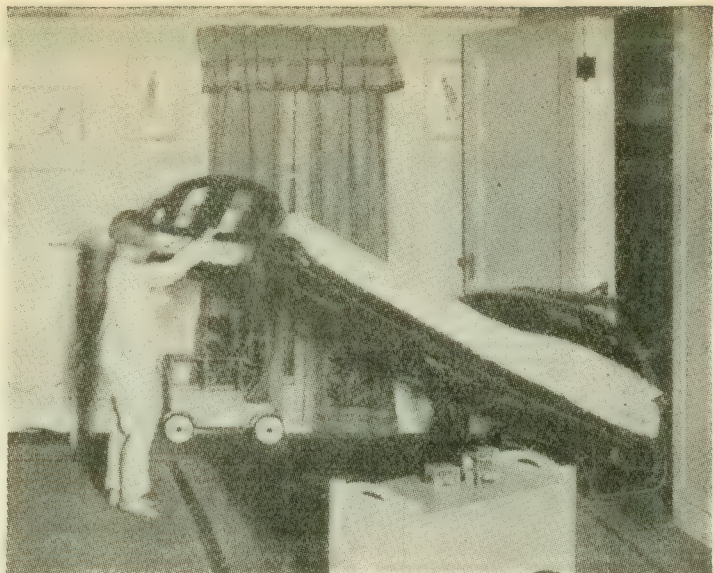
STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

BEDS

omes
rings

call at our
lain kitchen
g boards as
Beds

D CO.
ey Building
t 44th Street
ew York
R BED



A child can operate the bed

omfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

erfaces

cks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
re masonry.



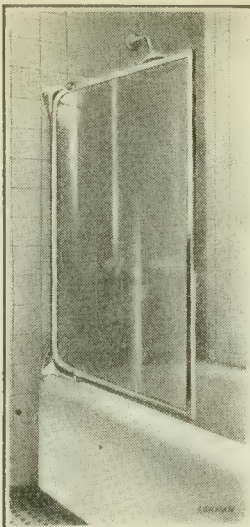
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

ises: Brick, reinforced concrete, steel 2 stories and basement, 115x41 feet (heating, electric reserved), Carey roof, cement floors,

COMPRESSED AIR SERVICE CORP.

**Vaults, Foundations, Rock
or Concrete Demolished by
Compressed Air or Dynamite.**

"We Cut Through Anything"

Air Compressors for Rent

1015 CHESTNUT STREET

DAY NIGHT
WALnut 6488 ALLegheny 8448
RACE 3401

**PILES, FOUNDATIONS
CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
108 Massachusetts Avenue
BOSTON, MASS.

EXPERT BLASTING
J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

**Reinforced Concrete
and Cement Work**
**Get our estimate first on
"THAT CEMENT JOB"**
FREDERICK MASSIAH
S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165 PHILADELPHIA
Keystone Phone—Race 3760

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

rolled steel sash, kalamein, ornamental iron work, steel stack. Owner building.

School, North Wales, Pa. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Board of Education, North Wales, Pa. Brick, reinforced concrete, steel, 1 story and basement, composition roof, pine and cement floors. All bids rejected.

Residence, Upland, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, J. R. Granger, Upland, Pa. Stone 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Plans in progress. Ready for bids in two weeks.

School (add.) and Gymnasium, Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Blakely School District, D. N. Thomas, secretary, Peekville Pa. Frame, 1 story, 53x69 feet, slag roof, pine floors, roof ventilators, bond, skylights, steel sash (heating, plumbing, electric separate). Owners taking bids due June 7th.

Grade School, Second Ward, Blakely, Pa., \$125,000. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Blakely School District, D. L. Thomas, secretary, Peekville, Pa. Frame, 2 stories, 10 rooms, slag roof, pine floors, safety treads, bond, skylights, steel sash (heating, plumbing and electric work separate). Owners taking bids due June 7th.

Convent, Bethlehem, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ursula's Roman Catholic Church, Rev. C. B. McGinley, Bethlehem, Pa. Stone, cast stone, brick, metal lath, tile and hardwood floors, slate roof. Architect taking bids due June 3rd.

School No. 33, Quincey avenue, Scranton, Pa. Architect, A. P. Coon, Traders' Bank Building, Scranton, Pa. Owners, School Board of Scranton, J. Hughes, secretary, 425 North Washington street, Scranton, Pa. Brick, steel, fireproof, 3 stories, 30 rooms, slag roof, maple floors, hollow tile, roof ventilators, iron stairs, fire doors, skylights, steel sash, tile work (heating, plumbing and electric separate). Owners taking bids due June 20th.

School, Elmhurst, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Elmhurst School Board, G. A. Emery, Elmhurst, Pa. Brick, 1 story and basement, 56x70 feet, asphalt roof, pine floors, roof ventilators, safety treads (heating, plumbing, electric separate). Owners taking bids due June 14th.

Sewer, Aldan, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners, Borough of Aldan, A. D. Abel, Aldan, Pa. Owners taking bids due June 9th, 8 P. M. (Daylight Saving Time). Certified check, \$200.

Porter School, Easton, Pa. Architect, William M. Michler, Drake Building, Easton, Pa. Owners, Easton School District, R. E. Peiffer, secretary, Second and Church streets, Easton, Pa. Brick, 1 story, 4 rooms. Architect selected.

March School, Easton, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, School District of Easton, R. E. Peiffer, secretary, Second and Church streets, Easton, Pa. Brick, 2 stories, 4 rooms. Architect selected.

Factory, Penn avenue, Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Anthracite Overall Mfg. Co., 340 Penn street, Scranton, Pa. Brick, 2 stories. Plans in progress.

Garage, Wyoming avenue, Scranton, Pa. Architect, Joseph Bianca, Jr., 1004 Price street, Scranton, Pa. Owners, Battista Brothers, 1105 Capouse avenue, Scranton, Pa. Brick, 1 story. Architect will be ready for bids next week.

Amusement Hall, Plymouth, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Polish Alliance of America, care of architects. Brick, steel, 3 stories, 63x120 feet, built-up roof, hardwood floors, steam heat, electric light, tile work, iron stairs. Architect ready for bids.

Hospital, Carbondale, Pa., \$300,000. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, E. J. Healy, 5 North Main street, Carbondale, Pa. Brick, steel, concrete, 5 stories, 42x200 feet, Barrett roof, concrete, linoleum and terrazzo floors hollow tile, elevators and dumb waiters, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors, steel sash, tile and marble, metal lath, steam heat, electric light. Architect is taking bids on steel work. Will be ready for general bids next week.

Elmer L. Myers High School and Stadium, Wilkes-Barre, Pa. Architect, Robert Ireland, Wilkes-Barre, Pa. Owners, School Board of Education, Wilkes-Barre, Pa. Brick, cut stone, steel, 3 stories and basement, asphalt felt roof, maple and cement floors, rolled steel sash, bond, ornamental iron work. Owners taking bids due June 13th.

Store Building, 622-24 Penn street, Reading, Pa. Architect, Fred Muhlenberg, Reading, Pa. Owners, Croll & Keck, Reading, Pa. Brick, steel, 4 stories and basement, 30x270 feet, slag roof, cement floors, roof ventilators, waterproofing and dampproofing, vault lights, ornamental iron work, iron stairs, rolled steel sash and skylights, tile and marble work, metal lath, electric light. Architect taking bids due June 4th.

New Field House and Gym, Dining Room Extension, Collegeville, Pa. Architect, F. R. Watson, 1520 Locust street, Philadelphia. Owners, Ursinus College, Collegeville, Pa. Architect taking bids due June 4th at noon.

Nurses' Home, Retreat, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Central Poor District, 54 West Union street, Wilkes-Barre, Pa. Brick, concrete block, steel, stucco, 3 stories, 39x59 feet, asphalt roof, yellow pine floors, terra cotta, iron stairs, kalamein doors, marble and terrazzo, electric light, vacuum heat (heating, plumbing and electric separate). Architect taking bids due June 7th.

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Legion Home, Leamy and Orchard Road, Springfield, Pa., \$25,000. Owners, American Legion, Springfield Post No. 287, Springfield, Pa. Brick, hollow tile stucco. Work contemplated.

Schools (4), Haverford Township, Pa. Architects, Boyd, Abel & Gugert, Otis Bldg., Phila. Owner School Board Haverford Township, Haverford, Pa. Ready for bids June 2nd, bids due June 13th.

Hospital Building, Abington, Pa., \$1,000,000. Architects, Tilden, Register & Pepper, 1520 Locust street, Phila. Owner, Abington Hospital, Abington, Pa. Contract awarded Day and Zimmerman, 1600 Walnut street, Phila. Plans in progress. Too early for details.

Pennsylvania Contracts Awarded

Residence and Garage, St. David's, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Ernest W. French, care of architect. Stone, 2½ stories and basement, 28x44 feet, garage 28x38 feet, shingle roof, oak, pine and cement floors, hot water heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Pa.

Store and Apartment, Main street, Chester pike, Darby, Pa. Architect, Wallace E. Hance, Holly Oak, Del. Owner, J. G. Pappas, Chester, Pa. Brick, cement, 4 stories and basement, 131x78 feet, 89x50 feet irregular, vapor heat, electric light, metal lath, tile and marble work, rolled steel sash, hardwood and cement floors, painting, glazing, caulking, hardware, mill work, terra cotta, miscellaneous iron work. Contract awarded Collins Const. Co., 1501 Arch street, Philadelphia.

School, Norristown, Pa. Architect, Charles J. Cumminsky, 86 West Sharpnack street, Philadelphia. Owners, Holy Saviour Parish, Rev. L. Travi, on premises. Stone, brick, concrete, steel, cut stone, 2 stories and basement, 47x83 feet, variegated slate and slag roof, maple and cement floors, hollow tile roof, ventilators, metal window guards, architectural terra cotta, bluestone, ornamental iron work, metal casement sash, bond, hollow metal doors, steam heat, electric light, metal lath. Contract awarded F. J. Schuler, Norristown, Pa.

Hospital (add.), Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Mid-Valley Hospital, E. S. Jones, president, Blakely, Pa. Fireproof, 2 stories, 28x93 feet, slate roof, concrete and composition floors, roof ventilators, waterproofing, dampproofing, fire doors, rolled steel sash, tile work (heating, plumbing and electric work separate). Contract awarded to S. Sykes & Sons, 1229 Penn avenue, Scranton, Pa.

Garage, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, H. Pressman, 30 North Fifth street, Allentown, Pa. Brick, steel, 1 story, 30x100 feet, slag roof, concrete floors, electric light, skylights. Contract awarded to Joseph Kahn, 1736 Chew street, Allentown, Pa.

Residence (add. and alts.), 912 Linden street, Allentown, Pa. Architects, Jacoby &

Everett, Commonwealth Building, Allentown, Pa. Owner, Dr. P. Ramer, care of architects. Brick, 3 stories, asphalt roof, linoleum floors, terra cotta, tile work, metal lath, electric light, general alterations, cement. Contract awarded to L. W. Hunsicker, 821 Chew street, Allentown, Pa.

Theatre and Store, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, H. B. Fridman, care of architect. Brick, steel, 1 and 2 stories, 230x35 feet, slag roof, composition and cement floors, vapor heat, electric work, metal lath, tile work. Contract awarded to Ritter & Smith, 1227 Gordon street, Allentown, Pa.

Hospital (add. and alts.), Allentown, Pa. Architects, Ruhe & Lange, 10 North Sixth street, Allentown, Pa. Owners, Allentown Hospital, 1627 Chew street, Allentown, Pa. Brick, steel, Johns Manville roof, waterproofing and dampproofing, tile and terrazzo work, skylights. Contract awarded to Ochs Const. Co., 440 Wire street, Allentown, Pa.

Residence and Garage, Bethlehem, Pa. Architects, Weigner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, James Bender, Bethlehem Steel Co., Bethlehem, Pa. Brick, 2½ and 1 stories, 41x38 feet, 22x21 feet, slate roof, concrete and hardwood floors, hot water heat, electric light, tile work. Contract awarded to Garber & Cissel, 203 West Fourth street, Bethlehem, Pa.

Residence (alts. and add.), West Chester pike and Chester Valley road, Paoli, Pa. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, Richard P. McNeely, Haverford, Pa. Carpentry, mill work, painting, glazing, heating alterations. Contract awarded J. R. Erbe, 2551 North Sixth street, Philadelphia.

Residence, Indian Creek road, Lower Merion, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Edward S. McKaig, care of architect. Stone, cut stone, 2½ stories and basement, 84x20 feet, wing 48x44 feet, variegated slate roof, oak, pine and cement floors, metal lath, tile, marble, bond ornamental iron work, casement windows dampproofing, flagstone, linoleum floors. Contract awarded J. H. Dawson, Folcroft, Pa. (Note change in contractor.)

Dormitory, Elizabethtown, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Thomas Ranken Patton Masonic Institution, Elizabethtown, Pa. Brick, stone, steel, 3 stories, 75x54 feet, slate roof, linoleum floors, hollow tile, waterproofing, cut stone, ornamental iron, iron stairs, kalamein doors, steel sash, tile work (heating, plumbing and electric separate). Contract awarded to D. S. Warfel, 452 North Prince street, Lancaster, Pa.

Residence, Wilkes-Barre, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owner, M. Nelson, 368 South Franklin street, Wilkes-Barre, Pa. Brick, 2½ stories, 41x52 feet, slate roof, hardwood floors, Warren Webster heat, electric light, tile work. Contract awarded to O. J. Behrens, 179 Blackman street, Wilkes-Barre, Pa.

Bank and Office (add. and alts.), 16 North Main street, Wilkes-Barre, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Liberty State Bank & Trust Co.,

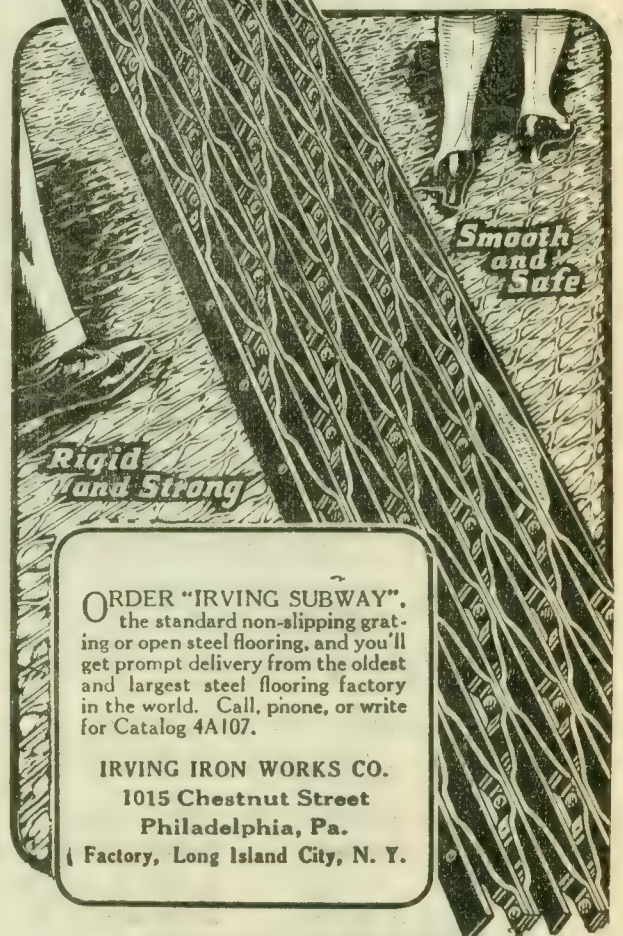
23 North Main street, Wilkes-Barre, Pa. Brick, stone, 4 stories, 40x130 feet. Contract awarded to William B. Richards, Simon Long Building, Wilkes-Barre, Pa.

School, Swoyerville, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Swoyerville School Board, M. A. Lavin, secretary, Swoyerville, Pa. Semi-fireproof, 2 stories, slag roof, maple floors (heating, plumbing, electric separate), roof ventilators. Contract awarded to M. L. Roth, 197 South Main street, Wilkes-Barre, Pa.

High School, Plymouth, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Plymouth Township School Board, Howard Rowland, 977 West Main street, Plymouth, Pa. Fireproof, 2 stories, 80x92 feet, composition roof, pine floors, roof ventilators (heating, plumbing, electric separate), metal lath, iron stairs. Contract awarded to Gibbon & Kohl, 146 East Northampton street, Wilkes-Barre, Pa.

School (add.), Plymouth, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Plymouth Township School Board, Howard Rowland, 977 West Main street, Plymouth, Pa. Semi-fireproof, 2 stories, 4-room add. (heating, plumbing and electric

*Always-When You Need
Gratings —*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
FLOORING

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Philadelphia

Yesterday

and

Today



Farragut Terrace and Chestnut Street

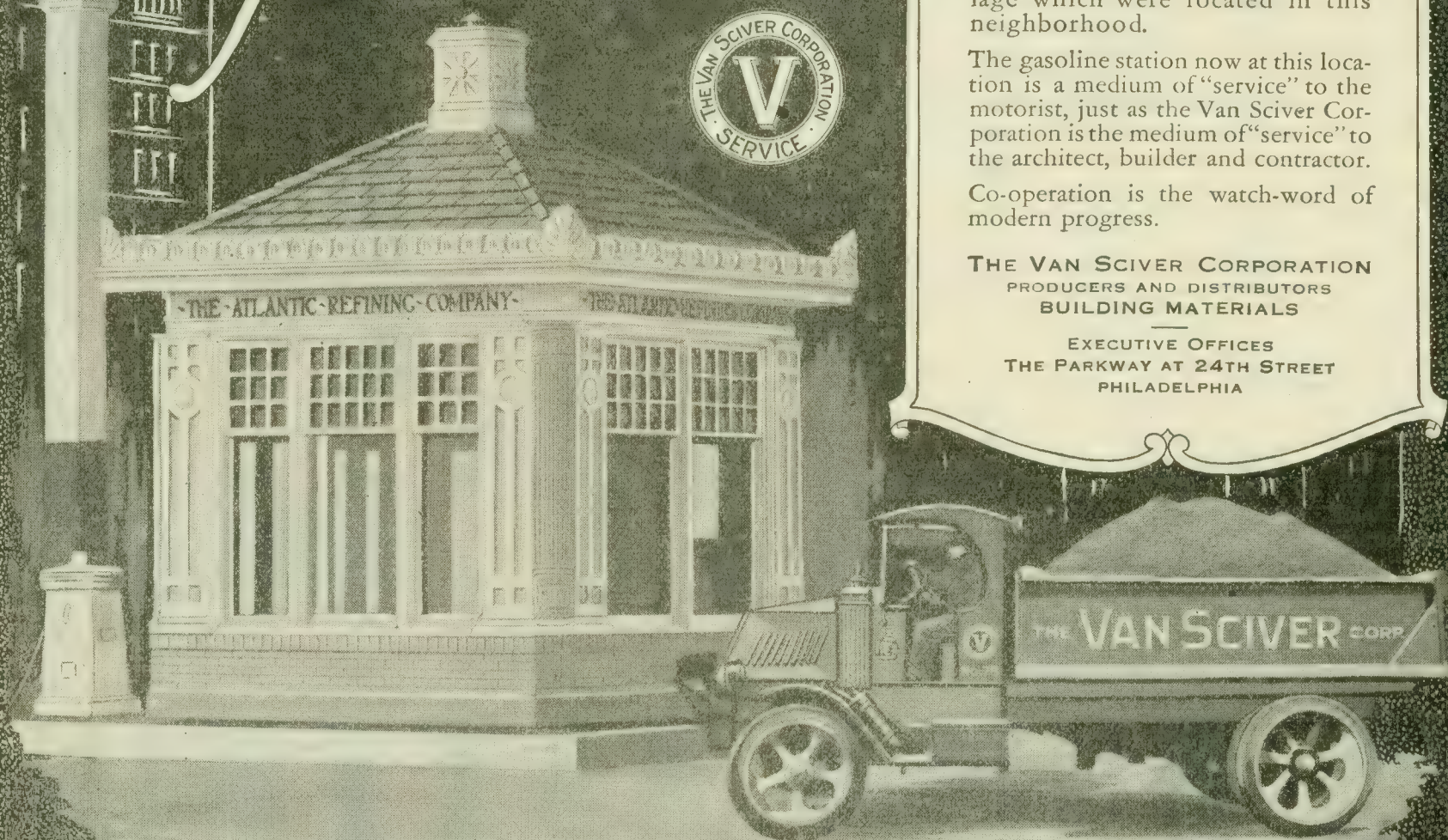
There are probably very few persons who remember the farm house and out-buildings of Good Intent Village which were located in this neighborhood.

The gasoline station now at this location is a medium of "service" to the motorist, just as the Van Sciver Corporation is the medium of "service" to the architect, builder and contractor.

Co-operation is the watch-word of modern progress.

THE VAN SCIVER CORPORATION
PRODUCERS AND DISTRIBUTORS
BUILDING MATERIALS

EXECUTIVE OFFICES
THE PARKWAY AT 24TH STREET
PHILADELPHIA



separate). Contract awarded to William B. Richards, Simon Long Building, Wilkes-Barre, Pa.

Grade School, Plymouth, Pa. Architect, R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Plymouth Township School Board, Howard Rowland, 977 West Main street, Plymouth, Pa. Semi-fireproof, 2 stories, 12 rooms (heating, plumbing, electric separate). Contract awarded W. B. Richards, Simon Long Building, Wilkes-Barre, Pa.

Twin Residences, (3 Pair), Barrington Rd., Upper Darby, Pa. Architects, Hodgins & Hill, 130 S. 15th Street, Phila. Owner, B. J. Campbell, 939 Flanders Road, Overbrook, Pa. Brick, stucco, 2½ stories and basement, various sizes, slate and slag roof, oak, pine and cement floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded P. Halbach Contg. Co., 1261 N. 26th street, Phila.

Concrete Footings, Bryn Mawr, Pa. Architects, Zantzinger, Borie & Medary, Otis Bldg., Phila. Owner, Bryn Mawr Hospital, Bryn Mawr, Pa. Engineers, Stone & Webster, Real Estate Trust Bldg., Phila. Excavation, concrete work. Contract awarded Wark & Co., 1600 Walnut street, Phila.

Theatre, 69th and Ashby Road, Upper Darby, Pa. Architects, Hodgins & Hill, 140 S. 15th street, Phila. Owner, Wm. Friehofer, 20th and Indiana avenue, Phila. Brick, limestone, steel, 1 story balcony and 3 stories irregular in size, wing 70x110 feet, and 240x108 feet, composition roof, cement floors, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, bond, ornamental iron work, bronze work. Contract awarded Geo. Kessler Contg. Co., 1733 N. Marvine St.

New Jersey Construction News

Public Mausoleum, Chapel, Observation Tower, Rest Pavilions, Egg Harbor Township, Atlantic County, N. J., \$2,000,000. Architect, William L. Charr, Victory Bldg., Phila. Owner, Laurel Memorial Park, Laurel Park Development Co., care of architect. Stone, steel, bronze, 2 stories and basement, 150x300 feet. Preliminary plans drawn.

Apartment Building, Ocean City, N. J. Architect, Roy G. Pratt, Franklin Trust Building. Owner, name withheld. Brick, 2 stories. Plans in progress.

State Office Building (first unit), West State street, Trenton, N. J. Architects, J. O. Hunt and Hugh A. Kelly, Hunt Building, Trenton, N. J. Owners, State of New Jersey, State House, Trenton, N. J. Cast stone, steel, fireproof, hollow tile, metal lath, tile and marble, steel sash. Preliminary plans in progress.

Residence, Trenton, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owner, Morris Kohn, care of architect. Brick, stucco, cinder block, 2½ stories, 64x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Schools, Somers Point, N. Y. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Board of Education, City

of Somers Point, J. Strang, president, Somers Point, N. J. Brick, semi-fireproof, 2 stories and basement, 150x104 feet, slag roof, roof ventilators, electric light, metal lath. Plans in progress.

Residence (alts. and add.), Hightstown, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owner, H. Weller, Hightstown, N. J. Brick, slate roof, stone floors, general interior and exterior alterations. Owner and architect ready for bids.

School, Northfield, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Northfield School Board, Mr. Harman, Northfield, N. J. Steel, fireproof, 2 stories and basement, 58x160 feet, built-up roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, iron stairs, skylights, tile and marble (heating, plumbing and electric separate). Owners taking revised bids due June 7th.

School (alts.) to Gymnasium, Merchantville, N. J. Architect, Arnold H. Moses, Temple Building, Camden, N. J. Owners, Board of Education, Merchantville, N. J. Owners taking bids due June 7th.

Residences (10), 1229-47 Bayard street, Camden, N. J., \$35,000. Architect, private plans. Owners, Bruner Construction Co., Camden, N. J. Brick, block, 2 stories, 14x48 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Ventnor City, N. J. Architect, A. L. Brooks, Humphrys Building, Atlantic City, N. J. Owner, Thomas Graham, care of architect. Cinder block, stucco, 2½ stories, 26x65 feet, tile roof, hardwood floors. Low bidder, P. G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 8, Sec. 9, Beaver Lake-Hamburg, Sussex County. Earth excavation, rock excavation, double line reinforced concrete pavement, bituminous macadam pavement, (2) small span bridges. Route 8 (Revision of 1927), Yellow Frame-Blairstown road, Warren County. Earth borrow, gravel borrow, double

line reinforced concrete pavement. Owners taking bids due June 13th, 11 A. M. (Standard Time). Certified check, 10 per cent. Deposit, \$10.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Embankment and abutment, Section 14-B, Route 1 Extension, Newark, N. J. Contract No. 6. Low bidders: Clemente Cont. Co., 101 Park avenue, New York, \$213,500.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 3827 W

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 2467 W

WM. N. BLACKBURN
317 BURMONT AVE., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

New Jersey Contracts Awarded

Storage House, Refrigeration and Kitchen, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic Delicatessen Co., 1328 Atlantic avenue, Atlantic City, N. J. Fireproof, 2 stories and basement, 43x133 feet, slag roof, concrete floors, elevators, waterproofing and dampproofing, steam heat, electric light. Contract awarded to W. S. Beaumont, 1 South Tennessee avenue, Atlantic City.

Tuberculosis Hospital (add. and alts.), Pine Rest, N. J., \$16,690. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Chosen Freeholders, Guarantee Trust Building, Atlantic City. Brick, 2 wings (heating, plumbing and electric separate), skylights. Contract awarded to A. B. Bowen, 1 South Delancey Place, Atlantic City. Electric, Charles Miller, Atlantic City, N. J., \$1,200. Heating, Benjamin Labov, 212 Adriatic avenue, Atlantic City, \$2,900.

School (add. and alts.), Cinraminson, N. J.

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owner, H. G. Taylor, Jr., Taylor lane, Riverton, N. J. Brick, steel, concrete block, 1 story and basement, 1 room add., slate roof, pine floors, safety treads, metal partitions (heating, plumbing and electric separate). Contract awarded to John C. Allen, Woodbury, N. J., \$10,590. Heating and plumbing to Harry Knecht, West Collingswood, N. J., \$2,175, \$1,155.

Apartment Building, Woodbury, N. J. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, joist construction, 40 apartments. Plans in progress. Contract awarded J. T. Allen, Woodbury, N. J.

Stores and Residences (6), 1013-23 South Fourth street, Camden, N. J. Architect, Howard Hall, 213 Weikel avenue, Merchantville, N. J. Owners, Tarter Realty Co., 1250 Kaighn avenue, Camden, N. J. Brick, 2 stories, 15x34 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to M. W. Cooperson Co., 550 Federal street, Camden, N. J.

Residence, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Howard Davison, Hightstown, N. J. Brick, frame, hardwood floors, electric light, general alterations. Contract awarded to Frank Allen, Hightstown, N. J.

Office Building, New York and Atlantic avenues, Atlantic City, N. J. Architect, Louis I. Brooks, 65 Madison avenue, New York. Owner, E. W. Schwehm, care of architect. Concrete, brick, steel, 8 stories, electric light, steam heat, metal lath, elevators, steel sash, roof ventilators. Work started. Contract awarded to Mark C. Tredenick Co., 25 West Forty-fifth street, New York.

Road Work, New Jersey. Owners, State Highway Commission. A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 7, Sec. 8, Lakewood-Aldrich road; Monmouth and Ocean Counties. Contract awarded to Jannarone Cont. Co., Belleville, N. J., \$344,336.73.

Miscellaneous Construction News

Residence, New Castle County, Del., \$100,000. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, F. W. Pickard, care of architect. Stone, 2½ stories and basement, irregular in size, slate roof, pine, oak and cement floors, plumbing, flagstone, wrought iron pipe, ornamental iron work, casement windows, bond,

rolled steel sash, tile work, metal lath, electric light. Architect taking bids due June 3rd.

Miscellaneous Contracts Awarded

Church, Norwalk, Conn. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, St. Paul's Protestant Episcopal Church, Rev. L. D. Howell, Norwalk, Conn. Stone, steel, 1 story, 66x100 feet, slate roof, Republic slag floors, hollow tile, cut stone, tile work, metal lath, hot water heat. Contract awarded to Max A. Purrschneids, 100 Main street, Derby, Conn.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 18, 1927. Sealed bids in duplicate will be received until 3 P. M., June 22, 1927, and then publicly opened, for the construction of the United States Post Office at Bayonne, N. J. Drawings and specifications may be obtained from the Custodian of the site at Bayonne, N. J., or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 26, 1927. Sealed bids will be opened in this office at 3 P. M., June 24, 1927, for remodeling mailing platform, installing new lift, etc., at the United States Post Office, Johnstown, Pennsylvania. Drawings and specifications may be obtained from the Custodian of the Building, or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

ATTACK FIRE LIKE DISEASE PLAGUE, URGES IRVING T. BUSH

With a warning that no nation, however rich, can afford such a drain on its resources as is now caused by fire in America, Irving T. Bush, president of the Bush Terminal Co., of New York, speaking before 400 prominent business men from the principal cities of the country

On the Ground When Wanted

CLAUSEN
TERRA COTTA
FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.

AN ambition to give your orders the kind of attention that will THOROUGHLY satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a REAL Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

in Chicago recently, declared that American industry must launch a systematic, scientific attack against the ravages of fire. He spoke at a luncheon given by the National Fire Protection Association which is holding its 31st annual convention here at the Congress Hotel. Members representing 146 organizations interested in every aspect of the fire problem are in attendance.

America builds annually with a half billion dollars' worth of property a funeral pyre on which are sacrificed 12,000 of its citizens, Mr. Bush said. Every sixty seconds \$1,064 goes up in smoke. The per capita fire loss in this country, he declared, averages ten times the similar loss per capita in Europe.

"And yet," he continued, "experts tell us that 90 per cent. of fires are preventable and the remaining 10 per cent. can be easily controlled. Isn't it about time we came to our senses and applied some of our American efficiency to this problem?"

The only way to combat fire, according to Mr. Bush, is to treat it as a plague, like yellow fever, and attack it exactly as medical science attacks communicable disease. He urged the use of skilled fire prevention engineers who will organize a scientific attack on fire in every community such as has already proved successful in many large industrial plants where there are serious fire hazards.

Referring to his own terminal plant, which handles one-fifth of the import and export trade through New York harbor, Mr. Bush said that when it was in its infancy four fires alone, between 1899 and 1904, caused a loss of \$1,100,000. In the 20 years since a million-dollar sprinkler system and other modern protective methods were employed, a total of 309 fires inside buildings and 305 outside caused

a loss so trivial as to be negligible. "Until 1919, or during a period of 13 years, we actually collected for damage to structures \$49, caused by the Fire Department chopping a hole in the roof," he said. "In 1920 we collected \$14,000 for damage resulting from a steamship explosion at one of our piers, the fire loss itself being insignificant.

"We will never get 100 per cent. perfection in any effort. There will always be some losses from fire in this country, but by a study of the best remedies and by teaching the people how to apply those remedies the nation can make an end to its frightful fire waste.

"In medicine it does no good to isolate the germ of some dread disease, and put it in a bottle, and look at it. Some agency must go into the field and tell the people what to do. We need field engineers to fight fire just as we need expert public health officials to check disease.

"This method is not an experiment. For the last three years the National Fire Protection Association has sent two such engineers to more than 80 cities, and their pioneer work ought to open the eyes of every progressive business man. In a number of cities the per capita fire loss was cut in half. A well organized effort in Huntington, W. Va., reduced the city's per capita loss nearly 80 per cent. There was no magic in that startling performance. First an expert engineer of the Association visited Huntington and saw the conditions; second, he told the citizens what to do; third, they did it. It is to extend this kind of service to hundreds of other towns and cities that a nation-wide campaign to raise a \$500,000 Field Service Fund is being carried on."

Mr. Bush, who is chairman of the national executive committee for the campaign, stated that the fund would finance

the operation of ten field engineers for the next five years. Many outstanding figures in American industrial and commercial life are active in the project. Mr. Bush predicted ten experts would save thousands of lives and millions of dollars in five years and would so demonstrate the value of their work that thereafter communities would gladly pay for it themselves.

One of the chief reasons for America's recklessness with regard to fire is the national delusion that "insurance people pay for fires," Mr. Bush said. He pointed out that the only function of insurance is to distribute losses and that it can no more recreate property than a death benefit can replace the person on whom it is paid.

"The man who watches a fire can be sure he is paying handsomely for the spectacle," said Mr. Bush. "The costs are all distributed to the men and industries which pay insurance premiums and ultimately to every consumer of goods. Everybody is touched to help pay the penalty of carelessness, and that is what makes fire a national problem of the first magnitude and why it must be handled systematically and scientifically on a national scale."

Mr. Bush said industry could not be content to save with one hand and then with the other throw a large part of its savings into the national bonfire. The common sense of the American business man, he declared, must lead the way in ridding the nation of the fire plague.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

A. HUSKEY

PORTABLE

MEYER COSSOY

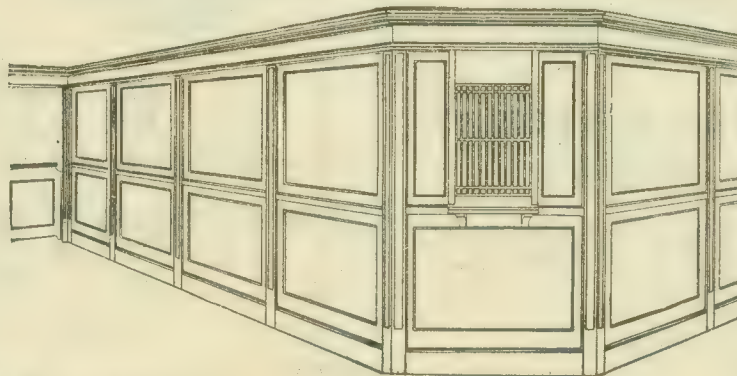
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

**STORE
FIXTURES**

FOR ALL KINDS
OF

STORES



**CABINET
WORK**

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**
N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN

Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH

SHEETROCK
WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

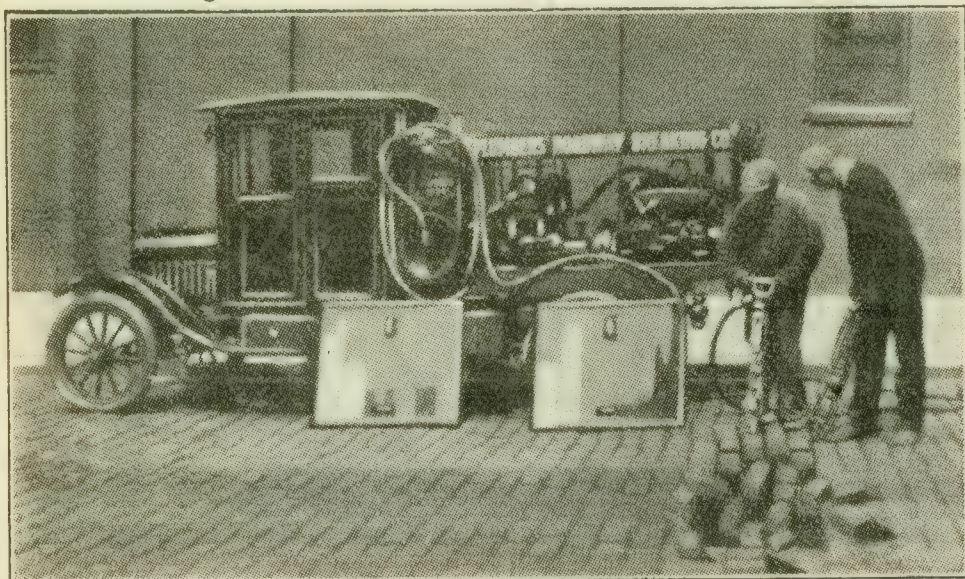
PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

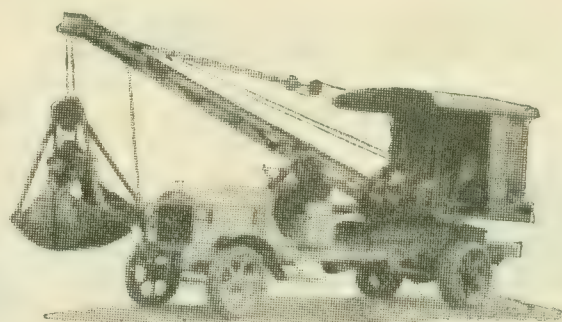
S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

Excavating

Steel
Erecting



Trench
Work

Car
Unloading

CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :

Park 2579

Bell :

Michigan 2911

BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT
For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many types of sash can be filled from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

DAVID LUPTON'S SONS CO.

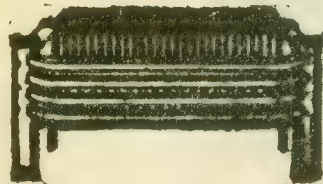
Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Go to **HENRY M. MILLER**

50 North 2nd Street



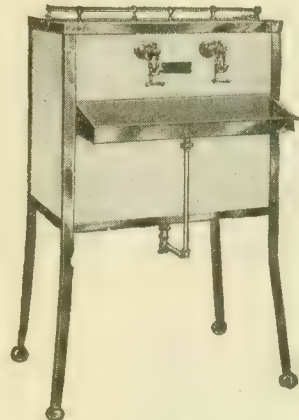
FOR

**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our showroom before selecting your Plumbing and Heating Equipment.

Fleck Bros. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Fegent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS
Compressed Air Service Corp. 1015 Chestnut St., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.
ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BLASTING
Harding, J. H.10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER
Blue Print Shop1520 Sansom St., Phila.
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.
Weil, J. H., Co.1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W.121 N. 18th St., Phila.

BUILDERS
Armstrong & Latta Co.1926 Sansom St., Phila.
Mitchell Bros.2125 Race St., Phila.

BUILDERS' SUPPLIES
Service Supply Corp. ...20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK
Huskey Mfg. Co.Columbia and Howard St., Phila.

CAISSONS
Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING
Libman, S.831 S. 49th St., Phila.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK
D'Lauro, John7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Lee T. Ward Co.617 Filbert St., Phila.
Service Supply Co.20th and Venango Sts., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

CRANE SERVICE
Palm, George W.4514 N. Front St., Phila.

CURTIS WOODWORK
Gillingham Co.Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS
Building News Pub. Co.1530 Chestnut St., Phila.

DAMP-PROOFING
Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr.829 N. 3rd St., Phila.
Phila. Building Material Co., 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories1505 Race St., Phila.

DOOR BEDS
Murphy Door Bed Co.512 Bulletin Bldg., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION
Welsbach CompanyGloucester, N. J.

EXCAVATING AND HAULING
Palm, George W.4514 N. Front St., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co.Erie Ave. & "D" St., Phila.
Reisbord, Wolf138-140 N. 55th St., Phila.

FIREPLACE DAMPERS
Blackburn, Wm. N.Drexel Hill, Pa.

FIREPLACE THROATS
Blackburn, Wm. N.Drexel Hill, Pa.

FIREPROOFING
Pearce Fireproof Co.1911 N. 2nd St., Phila.

FLAG POLES
J. E. Lingo & SonCamden, N. J.

FLOORING (Steel)
Irving Iron Works.....1015 Chestnut St., Phila.

FLUE LINING
Clausen, Wm. H.27th and Diamond Sts., Phila.

FOUNDATIONS
Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES
Fleck Bros.44 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

GAS RANGES
Fleck Bros. Co.50 N. 5th St., Phila.
Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.
Thomson, Wm., Inc.64 N. 2nd St., Phila.

GRANITE
Architectural Cast Cut Stone Co.Westmont, N. J.

GRATINGS
Irving Iron Works.....1015 Chestnut St., Phila.

GYPSON PRODUCTS
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS
Bowers Bros. & Co.2015 Sansom St., Phila.
Lewis, John W.3935 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co.50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H.27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America.....1600 Arch St.
Leon Merz Co.220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.
Smith-Austermuhl Co.Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES
Potts, Horace T. & Co.Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co.11th and Noble Sts., Phila.

Lederle, Robt. B., & Co.Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co.2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

Whartenby, Harry A.1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co.1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co.1729 Sansom St., Phila.
Weber, F. Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co.Norris and Richmond Sts., Phila.

Ketcham, Howard.....3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belf Bros. Co.1923 Market St., Phila.

Camden Tile Co.Camden, N. J.
Italian Marble Mosaic Co.433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

MASON BUILDER
D'Lauro, John7732 Ardleigh St., Phila.

Mercaldo, Vincent.411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co.1911 N. 2nd St., Phila.

METERS
Phila. Meter Co.Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co.Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)
H. C. L. Miller1101 N. Front St., Phila.

PAVING BRICKS
Ketcham, O. W.121 N. 18th St., Phila.

PHOTOSTATS
Weber, F. Co.125 S. 12th St., Phila.

PILES
Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER
Sterling, Joseph.....South Merchantville, N. J.

PLUMBING FIXTURES
Fleck Bros. Co.50 N. 5th St., Phila.

RADIATOR CABINETS
Radiator Cabinet Co.Drexel Bldg., Phila.

RANGES
Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

Thomson, Wm., Inc.64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M.46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

Welsbach CompanyGloucester, N. J.

REINFORCING BARS
Montgomery Iron & Steel Co.2500 Duncan St., Phila.

Penn Steel Service Co.Fuller Bldg., Phila.

H. T. Potts & Co.Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Service Supply Corp. ...20th & Venango Sts., Phila.
Lee T. Ward Co.617 Filbert St., Phila.

ROOFING
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.
Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING MATERIALS
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co.7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co.Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co.Bethlehem, Pa.

ROOFING TILE
Hood Tile Co.S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg Co.2317 Walnut St., Phila.

Selby Battersby & Co.810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co.Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING
Patent Scaffolding Co.2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co.1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.
Lehman, L. H.1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING
Palm, George W.4514 N. Front St., Phila.

STEEL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS
Insurance Co. of North America.....1600 Arch St.

Leon Merz Co.220 S. 16th St., Phila.

Simpson-Anderson Co.Widener Bldg., Phila.

Smith-Austermuhl Co.Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W.121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE
Clausen, Wm. H.27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK
Belf Bros. Co.1923 Market St., Phila.

Camden Tile Co.Camden, N. J.

Italian Marble Mosaic Co.433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co.435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co.1729 Sansom St., Phila.

Weber, F. Co.125 S. 12th St., Phila.

Weil, J. H., Co.1315 Cherry St., Phila.

VENEERS (Wood)
H. C. L. Miller.....1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD
Ketcham, Howard3rd and Girard Ave., Phila.

WALLBOARD
Pearce Fireproof Co.1911 N. 2nd St., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H.27th and Diamond Sts., Phila.

WATER HEATERS
Fleck Bros. Co.50 N. 5th St., Phila.

Philadelphia Gas Range Co.1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co., 829 N. 3rd St., Phila.

Phila. Building Material Co., 1209 N. Taney St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co.1126 So. 11th St., Phila.

Truscon Laboratories1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Audubon Wire Cloth Co.Audubon, N. J.

Potts, Horace T., & Co.Erie Ave. and D St., Phila.

Reisbord, Wolf138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co.Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co.Audubon, N. J.

WOOD PANELS
H. C. L. Miller1101-19 N. Front St., Phila.



After a Fire

you'll find no satisfaction in figuring up the amount of insurance you should have had.

But there's a lot of satisfaction in knowing that your property as it stands today is fully covered by dependable fire insurance.

Our policies are backed by a 135 year record of obligations promptly met. Your agent or broker can get you a North America policy.

1792 1927
"The Oldest
American
Fire and Marine
Insurance
Company"

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps Springs of Water Out of This Building

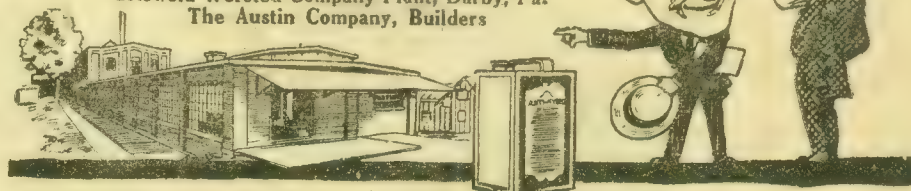
There are two underground springs under this building but the basement is always dry because the concrete foundation is permanently waterproofed with "ANTI-HYDRO."

"ANTI-HYDRO" waterproofs concrete against any head of water; it also hardens it in the same operation.

Being a liquid integral compound, "ANTI-HYDRO" mixes easily with the gauging water without the aid of skilled labor. It also accelerates the set of cement, increases its strength and eliminates finishers' overtime work.

For 23 years "ANTI-HYDRO" has been successfully used on every kind of concrete hardening and waterproofing work. Use it on your next job for permanence.

Griswold Worsted Company Plant, Darby, Pa.
The Austin Company, Builders



Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES
IN ALL GRADES
AND COLORS

METAL CORNICES
AND
SKYLIGHTS

TILES
IN SPANISH
Closed Shingle
Red and Glazes

FELT, PITCH, SLAG

ROOFING

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 23
June 8, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

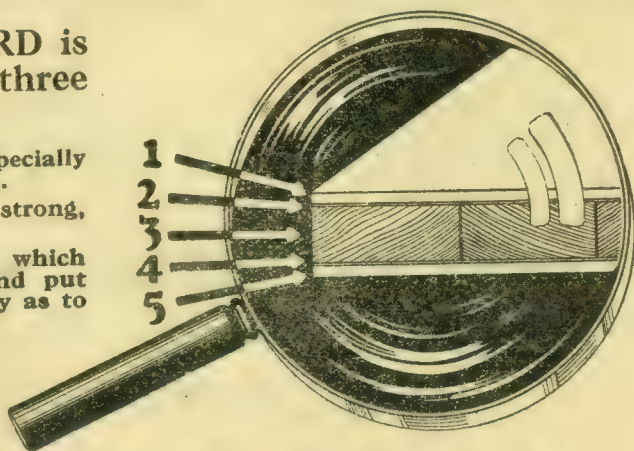
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Know—

all the cheap tricks that land jobs,
but that don't make friends and
keep satisfied customers, which are
the things we are in business for.

Our large satisfied clientele testifies
to our ability to keep friends.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

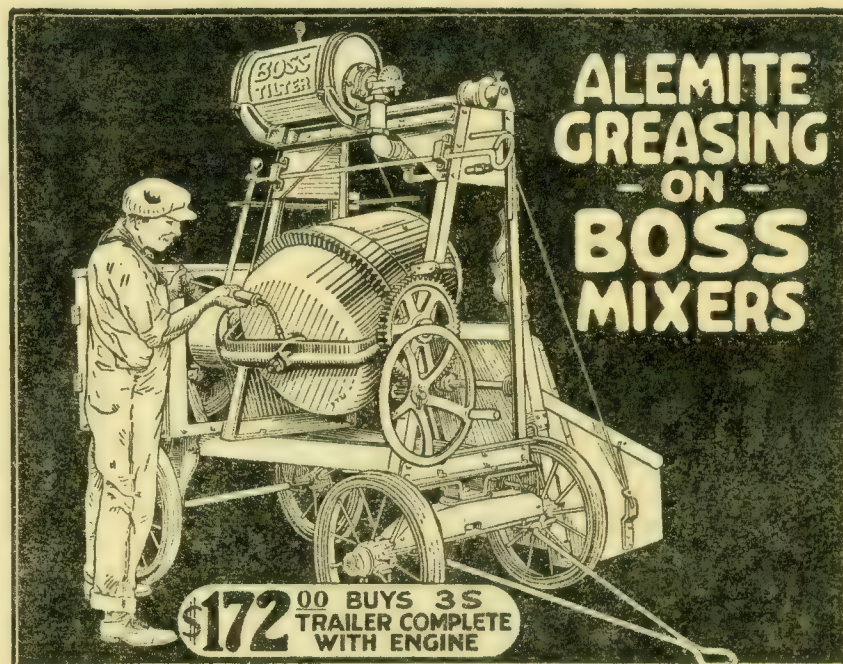
**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982



ONE BAG TILTER NOW AT HALF BAG PRICE

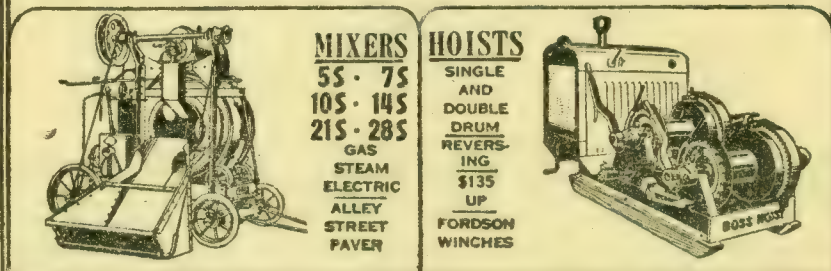
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



LOW PRESSURE Electric Refrigeration by Welsbach

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

**FABRICATED STEEL
IRON BARS**

RICHARD DeCOU CO.
Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 23

PHILADELPHIA
June 8, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Store(alts. and add.), 7149 Germantown Ave., Phila. Architect, private plans. Owner, Fred McFarland, on premises. Brick, slag roof, steam heat, electric light, metal lath, tile work, plastering, plumbing. Owner taking bids due June 15th.

Park, adjoining Christ Church, 2nd above Market street, Phila. Owner, Dept. of Public Work, Bureau of City Property, City Hall. Work contemplated. Demolition, etc.

School, Chestnut Hill, Pa. Architect, J. H. Rackie, 4341 Frankford avenue, Philadelphia. Owners, Our Lady of Consolation Roman Catholic Church, Chestnut Hill, Pa. Stone. Sketches being prepared.

Masonic Hall, Fitzwater street, Mole to Hicks street, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Scottish Rite Masons, care of M. Kraus, Real Estate Trust Building, Philadelphia. Brick, steel, marble, 4 stories, limestone. Plans in progress.

Apartment Building, 256-58 South Fifteenth street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Brown Brothers, 254 South Fifteenth street, Philadelphia. Brick, steel, 50x63 feet. Plans in progress.

Theatre, Store and Garage, South street, between Eighth and Darien streets, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Remy Theatre Co., care of architects. Brick, steel, concrete, terra cotta. Plans in progress.

Professional Offices, Southeast Corner Ninth and Pine streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Stone, steel, 1 story, steam heat, electric light, metal lath, tile and marble work, marble floors, shoring, cast stone, ornamental iron work, alterations and additions. Plans in progress.

Sunday School, Frankford, Pa. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Stone, 1 story, basement and gallery, 40x90 feet, slate roof, maple floors, steam heat, electric. Sketches in progress.

Office Building or Hotel, Northeast Corner Broad and Spruce streets, Philadelphia. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, care of Joseph Simon & Co., agent, Packard Building, Philadelphia. Work contemplated. Details undecided. Architect selected.

Office Building, Shop and Shed, 613-23 South Twenty-fourth street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, D. J. Keating, 2042 Rittenhouse street, Philadelphia. Brick, reinforced concrete, cut stone, granite, steel, 1 and 2 stories and basement, slag roof, composition and cement floors, hollow tile, electric work, metal lath, rolled steel skylights and sash, bond. Architects will be ready for revised bids in a few days.

Apartments (72), Residences (36), 502-36 North Fifty-second street, 503-37 North Fifty-

third street. Owner, T. J. Whelan, 214 South Forty-ninth street, Philadelphia. Brick, 2 stories, 228x353 feet, hot water heat, slag roof, hardwood floors, electric light, tile work. Owner will build. (Also stores.)

Apartment House, 2027-35 Locust street, Philadelphia, \$1,500,000. Architects, Melvaine & Roberts, Otis Building, Philadelphia. Owner, Charles J. Melvaine, Jr., care of architect. Reinforced concrete, brick, steel, concrete, terra cotta, 20 stories, 85x90 feet, elevators, electric light, tile work. Plans about completed. Architects will be ready for bids in two weeks.

Building, Sixty-eighth and Elmwood avenue, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., Sixty-eighth and Elmwood avenue, Philadelphia. Architects ready for bids.

Store, York road and Haines street, Philadelphia. Architect, A. Oscar Martin, Doylestown, Pa. Owner, C. N. Hassinger, on premises. Brick, 2 stories, 25x58 feet, slag roof, hardwood floors, plate glass, flush bulks, hot water heat. Owner taking bids.

Apartment House, Camac and Rockland streets, Philadelphia. Architects, A. N. Dobbins and H. Cain, 1718 Cherry street, Philadelphia. Owner, Frank Hutt, care of architects. Brick, 3 stories, 42x84 feet, 12 apartments, slag roof, hardwood floors, heating, electric light, tile work. Plans in progress.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3509

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

For Prices on CAULKING

or Material for Caulking

Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

Architects will take general bids in two weeks.

Sunday School, Southeast Corner Forty-third and Wyalusing avenue, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Blockley Baptist Church, Rev. J. Hainer, on premises. Stone, 1 and 2 stories and basement, 46x65½ feet, slag roof, maple and rubber stone floors, electric light. Ready for bids in one week.

Apartment House, near Stenton Station, on Reading Railroad, Philadelphia. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, 4 stories, 19 apartments, electric light, hardwood floors, tile work. Architect taking sub-bids.

Apartment House, 111 East Gorgas lane, Philadelphia, \$90,000. Architects, Stetler & Deysher, 709 Chestnut street, Philadelphia. Owner, Richard Hunnigan, 6050 Girard avenue, Philadelphia. Brick, 4 stories, 51x22 feet, 34x99 feet, slag roof, hardwood and pine floors, steam heat, electric light. Plans filed.

Convent (add. and alts.), Southeast Corner Unruh and Tulip streets, Philadelphia, \$35,000. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Church, on premises. Brick, concrete, steel, 3 stories and basement, 32x45 feet, slag roof, metal lath, tile and marble, tin-clad and kalamein doors, bond, ornamental iron, iron stairs, metal weather strip, hollow tile, cement and pine floors, metal toilet partitions (plumbing, heating, electric reserved). Permit issued.

School (add.), Holmesburg, Pa. Architect, G. C. Freeman, Reading, Pa. Owners, St. Dominic's Roman Catholic Church, Rev. D. Cardinal Dougherty, Eighteenth and Summer streets, Philadelphia. Stone, 2 stories and basement, 35x50 feet, slate roof, duraflex and pine floors, steam heat, electric light, metal lath, rolled steel skylights, dampproofing, iron stairs, ornamental iron work. Architect taking bids due as soon as possible.

Storage Warehouse, Germantown avenue, Chestnut Hill, Pa. Architect, George Kingsley, 103 East One Hundred and Twenty-fifth street, New York. Owner, J. L. Gillies, 8515 Germantown avenue, Philadelphia. Brick, reinforced concrete, 4 stories and basement, 59x37 feet, Barrett Specification roof, cement floors, hollow tile, elevators, plumbing, waterproofing, electric light, kalamein doors, ornamental iron work. Owner taking bids due June 14th.

North Wing Add. to Parish House, Sixty-first street, Cedar avenue and Hazel avenue, Philadelphia. Consulting engineer, Walter Boring Webb, 1001 Chestnut street, Philadelphia. Owners, St. George's Church, on premises. Stone, brick, 2 stories and basement, 60x14 feet (plumbing, heating, electric and painting reserved), Barrett Specification roof, cement and pine floors, waterproofing. Engineer taking bids due June 15th.

Manufacturing Building (alts. and add.), Southwest Corner Twelfth and Callowhill streets, Philadelphia. Architect, Percival M. Sax, Penfield Building, Philadelphia. Owners, Wolf Brothers, on premises. Brick, cut stone, reinforced concrete, steel, 4 stories and basement, 94x135 feet, Barrett Specification roof, cement floors, roof ventilators, waterproofing, architectural terra cotta, ornamental iron work, floor hardener, bond, fire and kalamein

doors, galvanized iron skylights, rolled steel and hollow metal sash. Architect taking bids due June 10th at 12 noon (Daylight Saving Time).

Lawndale Theatre, Stores and Apartments, Rising Sun avenue and Oxford pike, Philadelphia. Associate architects, The Ballinger Co. and W. E. Grober, Twelfth and Chestnut streets, Philadelphia. Owners, Oxford Theatre Co., care of T. Kirmse, 6500 Rising Sun avenue, Philadelphia. Brick, cut stone, steel, terra cotta, 1 and 2 stories and basement, 238x180 feet, gypsum and slag roof, composition, cement and maple floors, hollow tile, safety treads, roof ventilators, metal ceilings, waterproofing and dampproofing, bluestone, wall finish, metal lath, tile, marble and terrazzo work, roof steel sash and skylights, kalamein doors, floor hardener, casement windows, ornamental iron work, steel partitions, tin-clad fire doors, rubber tile floors. Owners and J. H. Rackie, 4341 Frankford avenue, Philadelphia, taking sub-bids.

Connection to Market Street Subway, Twelfth and Market streets, Philadelphia. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel work, granite steps, concrete work, iron work. Owners taking bids due June 13th.

Pennsylvania Railroad Work. Purchasing agent, C. E. Walsh, 15 North Thirty-second street, Philadelphia, taking bids. No. 61, piston heads. No. 62, wire nails, fencing and fence posts. Bids due June 16th at noon (Standard Time). No. 63, structural steel for bridge superstructure and sub-station. Bids due June 15th at noon (Standard Time).

Plumbing and Heating, Chestnut Hill, Pa. Architect, Paul Monaghan, 1520 Locust street, Philadelphia. Owners, St. Joseph's Academy, Rev. Mother Mary James, Chestnut Hill, Pa. Architect taking bids due June 14th.

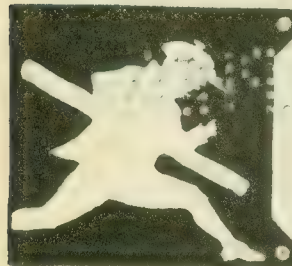
Residences (5), West side Wayne avenue, South of Juniata street, \$12,200. Architect, private plans. Owner, A. Zierniecki, Southwest Corner Wayne and Juniata streets, Philadelphia. Brick, 2 stories, 15x27 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment Houses (2), 4504-06 Pine street, Philadelphia, \$110,000 total. Owners, Elgart & Heyers, Fifty-third and Wynnefield avenue, Philadelphia. Brick, 3 stories, 49 feet 6 inches x 107 feet, slag roof, hardwood and pine floors, electric light, tile work. Permit issued.

Residences (18), Seventh street, North of Bigler street, \$99,500. Architect, private plans. Owners, August Olmi & Bro., 1530 South Fifteenth street, Philadelphia. Brick, 2 stories, 16x27 feet, 13x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), East side Almond street, North of Westmoreland street, \$16,000. Architect, private plans. Owner, Stanislaus Ozga, 3370 Salmon street, Philadelphia. Brick, 2 stories, 16x58 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), 2807-09 South Thirteenth street, Philadelphia, \$14,500. Architect, private plans. Owner, Philip Di Lipio, on premises. Brick, 2 stories, 16x62 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.



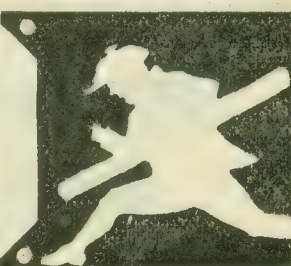
Good Work

BLUE PRINT SHOP

1520 Sansom Street, Philadelphia

Quick Service

Keystone Phone
Race 5555



Bell Phone
Rittenhouse 5893

Store, East side Ridge avenue, South of Shawmont avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Joseph A. Duva, 6710 Ridge avenue, Philadelphia. Brick, 1 story, 22x60 feet, slag roof, electric light. Permit issued.

Store, 201 Linton street, Philadelphia, \$3,000. Architect, private plans. Owner, John McDevitt, 3225 North Bailey street, Philadelphia. Brick, 1 story, 13x69 feet, slag roof, pine floors, electric light. Permit issued.

Apartment House, 4209 Chester avenue, Philadelphia, \$175,000. Architect, D. Schwartz, care of owner. Owner, Montague H. Itsynson, 503 South Forty-first street, Philadelphia. Brick, 4 stories, 55x207 feet, slag roof, hardwood and pine floors, vapor heat, electric light. Permit issued.

Residences (25), 6415-63 North Seventeenth street, Philadelphia, \$125,000. Architect, private plans. Owner, Harold B. Mueller, Oak Lane Trust Building, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 34 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (4), 8515-21 Gibson avenue,

Philadelphia, \$16,000. Architect, private plans. Owner, William Hoffman, 8438 Eastwick avenue, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Bank (alts.), 715 Chestnut street, Phila. Architect, Paul Cret, Otis Bldg., Phila. Owner, Integrity Trust Co., on premises. Architect ready for bids in a week.

Residences (4), W. side Ferndale St., S. of Stanwood St., Phila., \$14,000. Architect, private plans. Owner, Louis Seifin, 1334 Cottman street, Phila. Brick, 2 stories, 16x25 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, E. side Almond street, N. of Orthodox street, Phila., \$3,500. Architect, private plans. Owner, Leon J. Kawski, 4428 Edgemont street, Phila. Brick, 2 stories, 16x50 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, 1023 Melon street, Philad., \$2,000. Architect, private plans. Owner, G. Wilos, 942 Fairmount avenue, Phila. Brick, 1 story, 23 feet 10 inches x 84 feet, slag roof, cement floors. Permit issued.

forced concrete, 3 stories, 62x104 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, kalamein doors, office partitions, cement hardener. Contract awarded William F. Lotz, Frankford and Oxford avenues, Philadelphia.

Bank Building, 5604 North Fifth street, Philadelphia. Architects, Simon, Brittain & English, 929 Chestnut St., Phila. Owners, National Bank of Olney, on premises. Brick, cut stone, steel reinforced concrete, limestone, 100x32 feet, composition roof, cement floors, roof ventilators, Parlock waterproofing, dampproofing, wall finish, bond, iron stairs, ornamental iron work, iron pipe, area gratings, plumbing, rubber stone floor, linotile floors, rolling steel sash, kalamein doors, rolled steel sash, tile and marble work, metal lath, electric light, steam heat. Contract awarded J. M. Yardley, 1700 Walnut street, Philadelphia.

Y. M. C. A., Green street, Germantown, Pa., \$500,000. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Y. M. C. A., care of W. L. Gruhler, 219 High street, Germantown, Philadelphia. Reinforced concrete, brick, steel, stone, cut stone, 4 stories and basement, 311x90 feet, built-up and slate roof, cement, oak and pine floors, hollow tile, waterproofing, architectural terra cotta, east stone, wall finish, cinder concrete block, ornamental iron work, iron stairs, floor hardener, bond, hollow metal doors, steel sash and skylights, tile and marble and terrazzo work, metal lath, metal toilet partitions, dumb waiters, linoleum, duraflex floors, east granite. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Factory, D and Erie avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Crescent Box Co., on premises. Reinforced concrete, brick, east stone, steel, 2 stories and basement, 300x100 feet, slag roof, cement floors, hollow tile, safety treads, terra cotta coping, iron work, bronze work, floor hardener, iron stairs, bond, tin-clad doors, rolled steel sash and skylights, tile and marble work, metal lath, rolled steel shutters, steel partitions. Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Center Fire Alarm Substation, Forty-third and Kingsessing avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, 213 City Hall. Contract awarded McCormick-Lenham, Broad and Tasker streets, Philadelphia, \$32,600. Heating, Fred Gotshall, 1313 Fairmount avenue, Philadelphia, \$2,280. Plumbing, Fred Wackenhut, 2416 Frankford

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory Building, Kensington and Sedgley street, Philadelphia. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street. Owner, name withheld. Brick, steel, concrete, 1 story, 98x81 feet, 2 stories, 22x80 feet, slag roof, steam heat, electric light, cement floors, plumbing, rolled steel sash. Contract awarded Harry Otis Co., 2512 Germantown avenue.

Office and Warehouse, Southeast Corner Tenth and Spring Garden streets, Philadelphia. Architects, Rankin & Kellogg, 1805 Walnut St., Philadelphia. Owners, Philadelphia Wholesale Drug Co., 645 North Broad street, Philadelphia. Brick, reinforced concrete, 7 stories and basement, 180x113 feet, asbestos built-up roof, cement, maple floors, metal lath, hollow tile, marble and terrazzo work, rolled steel sash, steel doors, bond, membrane waterproofing, dampproofing, east stone, ornamental iron work, iron stairs, steel partitions, linoleum floors (heating, ventilating, electric, plumbing, elevators, conveyors, pneumatic tubes reserved). Contract awarded Turner Const. Co., 1700 Walnut street, Philadelphia.

Synagogue, Broad and Mt. Vernon streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Rodolph Shalom Synagogue, care of L. Friedmann, 251 South Fifteenth street. Brick, granite, limestone, steel, 5 stories and basement, 242x90 feet, slag roof, composition, cement and oak floors, elevators, safety treads, roof ventilators, architectural terra cotta, acoustical treatment, steel stacks, wall finish, steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, fire doors, bond, floor hardener, soundproofing, bronze casement windows, ornamental iron work, bronze work, area gratings, Sanionyx partitions, cabinet work, caulking, rubber tile floors, plastering. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Hosiery Mill, Tulip and Rhawn streets, Philadelphia. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owners, Schletter & Zander, on premises. Brick, rein-

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox

A. S. Janeway

Wm. Barnes

Special Price for 30 days . \$80.00

on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

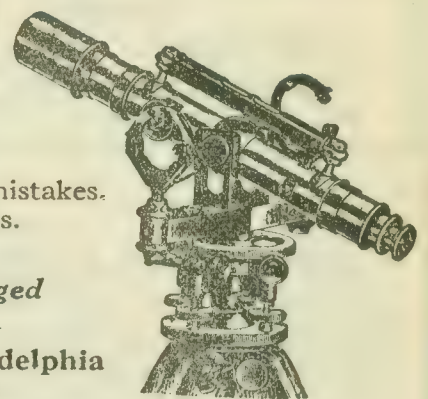
Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



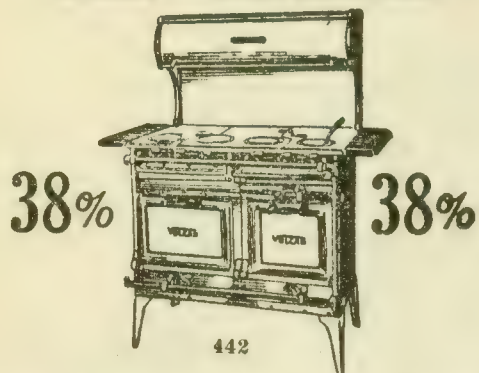
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

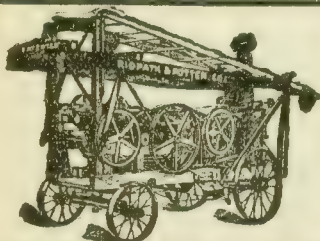
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

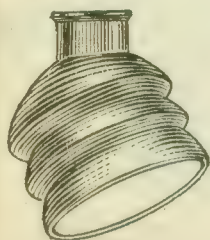
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS

Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

avenue, Philadelphia, \$2,213. Electric, Walker-Kepler, 530 Chestnut street, Philadelphia, \$3,073.

Storage Warehouse, 237-53 Church lane, Germantown, Philadelphia. Architect, G. S. Kingsley, 103 East One Hundred and Twenty-fifth street, New York. Owners, Wallace Storage & Carpet Cleaning Co., 1826 North Twentieth street, Philadelphia. Reinforced concrete, brick, 6 stories and basement, 75x120 feet, slag roof, concrete floors, hollow tile, elevators, plumbing, metal window guards and ceiling, waterproofing, architectural terra cotta, ornamental iron work, bond, hollow metal doors and sash, galvanized iron skylights, marble and terrazzo, metal lath, electric light, steam heat, caenstone, metal toilet partitions. Contract awarded George Kessler Cont. Co., 1733 North Marvine street, Philadelphia.

Dye House (add.), Worth and Kinsey streets, Philadelphia, \$12,000. Architects, Stearns & Woodnutt, Stephen Girard Building, Philadelphia. Owners, Globe Dye Works, on premises. Brick, reinforced concrete, steel, 1 story and basement, 45x90 feet (heating, electric and ventilating reserved), cement floors, rolled steel sash, wrought iron pipe, sprinkler system, plumbing. Contract awarded Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Stores (6), Show Room, Northwest Corner Forty-fifth and Walnut streets, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owners, Felt Brothers, Packard Building, Philadelphia. Brick, concrete, stone, steel, limestone, 1 story and basement, 99x108 feet, built-up roof, maple floors, plumbing, metal ceilings, damp-proofing, cast stone, wrought iron pipe, cinder concrete block, bond, fire doors, rolled steel skylights, electric light, metal lath, steam heat, sprinkler system. Contract awarded S. H. Levin, Elrae Building, Philadelphia.

Building (alts. and add.), Forty-eighth and Wyalusing avenue, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. John's Orphanage, on premises. Stone, cut stone, steel, 2½ stories and basement, 40x60 feet, slate roof, cement floors, electric light. Contract awarded W. W. Johnston, 1606 Swain street, Philadelphia.

Business Building, 1505 Walnut street, Philadelphia. Architect, Arthur W. Hall, 1209 Lewis Building, Philadelphia. Owners, Real Estate Finance & Guaranty Co., care of architect. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 118x24 feet, composition roof, cement and maple floors, plumbing, vapor heat, electric work, sprinkler

system. Contract awarded John Schnabel, Inc., Abbott Building, Philadelphia.

Residence (alts. and add.), Chestnut Hill, Pa., \$4,000. Architect, A. H. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Edward F. Rivinus, on premises. General alterations and additions. Contract awarded George S. Roth & Son, 230 East Gravers lane, Philadelphia.

Bank (alts. and add.), Rising Sun and Wyoming avenues, Philadelphia. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Olney Bank & Trust Co., W. R. Thomas, Fifth and Tabor road, Philadelphia. Brick, limestone, 1 story, 22x60 feet, heating and lighting and plumbing extensions, composition, maple, rubberoid floors, slag roof. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Residence and Garage, Southwest Corner Willow Grove and Lincoln Drive, \$40,000. Owner, George Woodward, North American Building, Philadelphia. Stone, 3 stories, 23x50 feet, 20x40 feet, slate roof, hardwood and pine floors, hot water heat, electric light, garage, 1 story, 21x20 feet. Contract awarded to R. C. Borthwick, 6511 North Woodstock street, Philadelphia.

Store and Residence (add. and alts.), 3110 Kensington avenue, \$9,000. Architect, private plans. Owner, J. L. Caplan, on premises. Brick, 2 stories add., 16x17 feet, general alterations. Contract awarded to Benjamin Tillingier, 1511 North Marshall street, Philadelphia.

Residence and Store (add.), 4200 Lancaster avenue, Philadelphia, \$8,000. Architect, private plans. Ownes, P. J. McMenamin, on premises. Brick, 2 stories add., 34 feet 6 inches x irregular. Contract awarded to Leonard Will, 651 North Frazer street, Philadelphia.

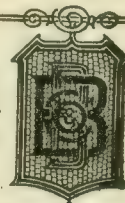
Building (alts. and add.), 127 East Mermaid lane, Philadelphia, \$12,000. Architect, private plans. Owner, Clementine O'Neill, 127 East Mermaid lane, Philadelphia. Brick, 3 stories, 22x24 feet, general alterations. Contract awarded to Braun Brothers, 113 East Moreland avenue, Philadelphia.

Coal Pockets, West side Marston street, North of Allegheny avenue, \$10,000. Architect, private plans. Owners, William Kohler Coal Co., on premises. Concrete. Contract awarded to Nicholson Co., 247 Park avenue, New York.

Garage, 323 Allens lane, Philadelphia, \$6,100. Architect, private plans. Owner, Charles F. Flood, 323 Allens lane, Philadelphia. Brick, 2 stories, 18 x irregular, slag roof, cement floors. Contract awarded to Hearst & Karback, 6353 Cherokee street, Philadelphia.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
PIPE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Alterations, 51 and 53 Maplewood avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Walter H. Rickard, 5850 Musgrave street, Philadelphia. General alterations. Contract awarded to L. D. Stetler, 126 Herman street, Philadelphia.

Residence (add. and alts.), 706 South Seventh street, Philadelphia, \$3,000. Architect, private plans. Owner, Giovanni Salmone, 704 South Seventh street, Philadelphia. Brick, 1 story add., 12x9 feet, general alterations. Contract awarded to Empire Const. Co., 2002 South Twelfth street, Philadelphia.

Warehouse, Southwest Corner Lehigh and Edgemont avenues, Philadelphia, \$37,500. Architect, private plans. Owner, Harry W. Gwinner, 5205 North Sixteenth street, Philadelphia. Brick, 1 story, 84x118 feet 6 inches. Contract awarded to Maurer & Co., 910 North Front street, Philadelphia.

Shop, 409 West Rockland street, Philadelphia, \$6,000. Architect, private plans. Owner, John G. Mahon, 4910 North Fairhill street, Philadelphia. Brick, 2 stories, 20x46 feet. Contract awarded to William Schmitt, 4937 North Fairhill street, Philadelphia.

Warehouse, 2110 Reed street, Philadelphia, \$6,000. Architect, private plans. Owner, S. Tollin, 1410 Point Breeze avenue, Philadelphia. Brick, 2 stories, 16x50 feet. Contract awarded to M. Charr, 1649 South Newkirk street, Philadelphia.

Pump House, Penrose Ferry road and Schuylkill avenue, Philadelphia, \$4,800. Owners, Gulf Refining Co., Girard Point, Philadelphia. Iron on iron, 1 story, 24x86 feet. Contract awarded to Maryland Metal Building Co., Pennsylvania Building, Philadelphia.

Rooming House (alts.), 525 South Sixteenth street, Philadelphia, \$3,200. Architect, private plans. Owners, Rudnick & Brownstein, 523 South Sixteenth street, Philadelphia. General alterations. Contract awarded to Serb Rubin, 421 Jackson street, Philadelphia.

Residence (alts. and add.), 3626 North Fifteenth street, Philadelphia, \$2,500. Architect, private plans. Owner, Mrs. E. Bewley, on premises. Brick, 1 story add., 14 feet 7 inches x 6 feet 6 inches, general alterations. Contract awarded to J. Y. Loux, Inc., Fifteenth and Hunting Park avenue.

Apartment House, Southeast Corner Third and Gaskill streets, Philadelphia, \$22,500. Architect, private plans. Owner, L. Shipek, on premises. Brick, 3 stories, 23x74 feet, 20x13 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to J. Rothman, 5438 Webster street, Philadelphia.

Residence, North side Coulter street, West of Fox street, Philadelphia, \$20,000. Architect, private plans. Owner, P. H. Brocklesby, 350 West Johnson street, Philadelphia. Stone, 2½ stories, 50x24 feet, 26x26 feet, slate roof, hardwood and pine floors, electric light, tile work. Contract awarded to G. Hillard English, 72 West Chelton avenue, Philadelphia.

Warehouse (repairs), 125 South Second street, Philadelphia, \$15,000. Owner, William M. Coates, 127 Market street Philadelphia. General fire repairs. Contract awarded to Frank G. English, 1606 North Carlisle street.

Shop (add.), Northeast Corner Front and Olney avenue, Philadelphia, \$10,000. Owners, Hentz Mrg. Co., on premises. Steel, 1 story

add., 56x67 feet. Contract awarded to William F. Newbery, Otis Building, Philadelphia.

Residence, 405 South Twelfth street, Philadelphia, \$7,500. Architect, private plans. Owner, Samuel Engerman, on premises. Brick, 2 stories, 19x53 feet, slag roof, electric light. Contract awarded to Max Katz, 626 Tasker street, Philadelphia.

Store (alts.), 142 Noble street, Philadelphia, \$2,500. Architect, private plans. Owners, A. & C. Wagenbaum, 534 North Second street, Philadelphia. General alterations. Contract awarded to Henry Auberman, 1429 North Fifth street, Philadelphia.

Store (add.), 6141 Woodland avenue, Phila., \$3,500. Architect, private plans. Owner, S. Rosenthal, on premises. Brick, 1 story, 16x57 feet, slag roof, electric light. Contract awarded to Matrin T. Glass, 3710 Market street, Phila.

Club House (alts.), 1010 Spruce street, Phila. Owner, Charlotte Churchman Club, on premises. General alterations and additions. Contract awarded to Doyle & Co., 1519 Sansom street, Phila.

Pennsylvania Construction News

High School, Birdsboro, Pa. Architects, Ritcher & Eiler, 147 N. 5th street, Reading, Pa. Owner, Birdsboro School District, W. K. Young, Birdsboro, Pa. Fireproof, steel, 2 stories, 176x72 feet, 68x72 feet, built-up roof, maple floors, hollow tile, roof vents, safety treads, bond, concrete stairs, fire doors, steel sash, metal lath. Low bidder: Wallace C. Fritz, Reading, Pa., \$116,238.

Administration Building, Haverford Township, Pa. Architects, Dreher & Churchman, Otis Building, Phila. Owner, Commissioner of Haverford Township, Pa. Brick, steel, 2 stories and basement. Plans in progress.

Parish House, Marietta, Penna. Architect, Henry L. Reinhold, Jr., 1513 Walnut St., Phila. Owner, St. John's P. E. Church, Marietta, Pa., Brick, 32x69 feet. Plans completed.

Manufacturing Building, Harrisburg, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Elliott-Fisher Co., Harrisburg, Pa. Brick, steel, concrete. Plans in progress.

Hotel, Adams avenue, Scranton, Pa. Architect, W. L. Stoddart, 50 East Forty-first street, New York. Owners, P. J. & A. J.

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia

Main 3446

Market 1815

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

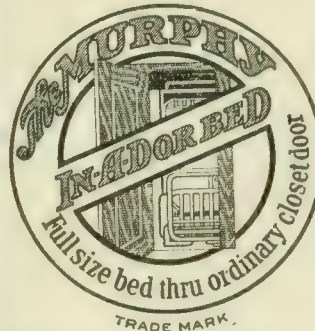
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 W

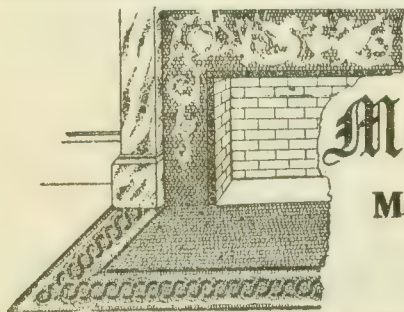
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**STERLING STUCCO and
PLASTERING**

JOSEPH STERLING

Marlton and Hoffman Sts.

So. Merchantville, N. J.



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
18th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by app

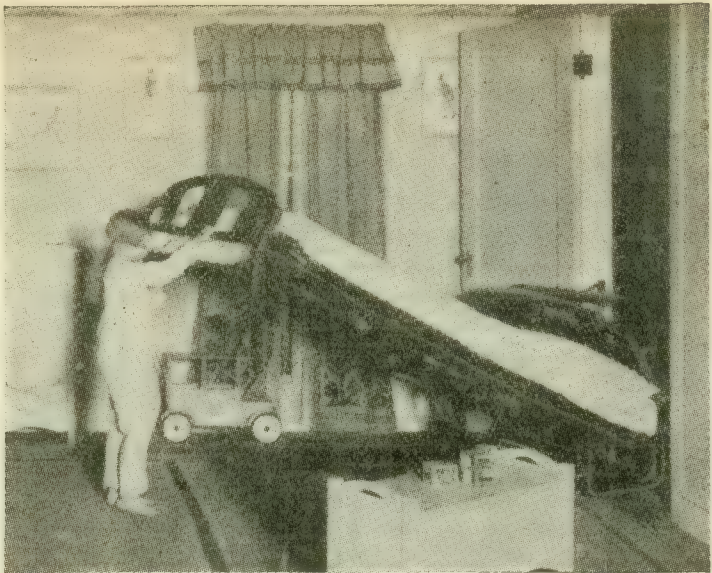
If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

BEDS

homes
springs
or call at our
elain kitchen
ing boards as
y Beds

ED CO.
ley Building
st 44th Street
New York
OR BED



A child can operate the bed

nfortable, Convenient
here represented sell
nd Specified Materials or
elt of their co-operation.



NETEX

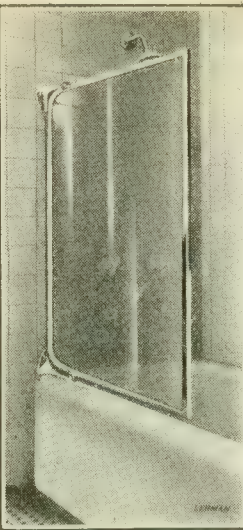
urfaces

cks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application
es it prevent moisture
lso covers the surface
es flat. It does not
e masonry.



The Truscon Laboratories
1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510
WAREHOUSE STOCK IN PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

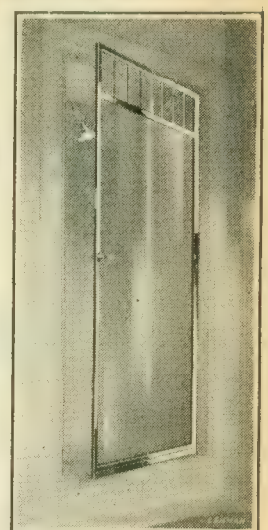
LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520 138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMbia 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS

TERRAZZO CERAMICS

TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.
Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.
1101-19 No. Front St., Phila.
Regent 1100 Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.
NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975 Kensington 2343

Casey, Hotel Casey, Scranton, Pa. Preliminary sketches drawn. Work contemplated.

Bank (add. and alts.), Huntingdon, Pa. Architect, J. A. Dempwolf, Cassatt Building,

COMPRESSED AIR SERVICE CORP.

**Vaults, Foundations, Rock
or Concrete Demolished by
Compressed Air or Dynamite.**

"We Cut Through Anything"

Air Compressors for Rent

**1015 CHESTNUT STREET
PHILADELPHIA**

DAY NIGHT
WALnut 6488 ALLegheny 8448
RACE 3401

PILES, FOUNDATIONS CAISSONS

**ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.**

**108 Massachusetts Avenue
BOSTON, MASS.**

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

**Get our estimate first on
"THAT CEMENT JOB"**

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

**Bell Phone—Walnut 4165
Keystone Phone—Race 3760**

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

York, Pa. Owners, Union National Bank, J. White, president, Huntingdon, Pa. Brick. Plans in progress.

American Legion House (add. and alts.), Dallastown, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, American Legion Post 605, care of architects. Brick, 2 stories and basement, 24x43 feet, composition roof, maple and pine floors, vapor heat, electric light. Plans in progress.

Residence (alts.), Hamburg, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, name withheld. Brick, 2½ stories, 23x52 feet, hardwood floors, general interior alterations. Plans in progress.

Residence, Reiffstown, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, name withheld. Brick, 2½ stories, 27x38 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress.

Residence, Wyomissing Hills, Reading, Pa., \$150,000. Architects, Scholl & Richardson, Fifth and Walnut streets, Reading, Pa. Owner, Carl Lauer, 804 North Fifth street, Reading, Pa. Stone, 3 stories. Plans in progress.

Bank, Selinsgrove, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Farmers' National Bank, Selinsgrove, Pa. Fireproof, limestone, 1 story, 25x90 feet, built-up roof, maple floors, vapor heat, electric light, tile, marble, bronze. Plans in progress.

Lodge and Apartment, Coplay, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Patriotic Order Sons of America, J. Frichert, Coplay, Pa. Sketches in progress.

Store and Office, Shenandoah, Pa. Architects, Muhlenberg Brothers, Pottsville, Pa. Owner, J. A. Mandour, Main and Coal streets, Shenandoah, Pa. Brick, steel, 3 stories. Plans in progress.

Store and Apartment, Nanticoke, Pa. Architect, George McLean, Miners' Bank Building, Wilkes-Barre, Pa. Owner, Ignatz Weiss, 30 East Broad street, Nanticoke, Pa. Brick, 3 stories. Plans in progress.

Store (add.), Allentown, Pa. Architect, E. M. Pickin, Hunsicker Building, Allentown, Pa. Owners, H. Leh & Co., 632 Hamilton street, Allentown, Pa. Brick, steel, five stories. Plans in progress.

Shop, Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Lancaster Poster Co., care of architect. Brick, steel, 1 and 2 stories, 50x150 feet, composition roof, gum floors, skylights, steel sash (plumbing, heating and electric reserved). Revised plans in progress.

Church and Sunday School, Oakley avenue, Lawndale, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lawndale Presbyterian Church, Lawndale, Pa. Stone, brick, steel. Ready for bids.

School (add.), Hulmeville, Pa. Engineer, Walter S. Miller, Parkland, Pa. Owners, Hulmeville School Board, Hulmeville, Pa. Hollow tile, stucco, 2 stories and basement, 36x11 feet, tin roof, pine floors, hollow tile, dampproofing, bond, ornamental iron work. Owners taking bids due June 9th, 7.15 P. M.

Model Apartment, William Penn High School, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Harrisburg School District, 121 Chestnut street, Harrisburg, Pa. Brick, 1 story, 38x31 feet, built-up roof, maple floors, vapor heat, electric light, tile work. Owners taking bids due June 10th.

Main Street School, West and Lloyd Streets School, White Street School (alts.), Shenandoah, Pa., \$70,000. Architects, Scholl & Richardson, Fifth and Walnut streets, Reading, Pa. Owners, Shenandoah School District, P. W. Bierstein, secretary, New White Street Building, Shenandoah, Pa. Brick, asbestos shingle roofing, safety treads, metal ceilings, casement windows, steel sash. Architects taking sub-bids.

Fire Engine House and Hall, Linfield, Montgomery County, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owners, Linfield Fire Co., No. 1, John Steffy, Chairman, Building Committee, Linfield, Pa. Cement block, steel, reinforced concrete, 3 stories, 40x80 feet and 16x20 feet, asbestos shingle roof, reinforced concrete and wood floors, iron stairs, safety treads, kitchen equipment, fireproofing, wood and metal sash (heating, plumbing, lighting, water system separate). Owners taking sub-bids for completion of building and equipment.

Garage, Gettysburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, H. Myers, Eleventh and Mulberry streets, Gettysburg, Pa. Brick, steel, 1 story and basement, 80x85 feet, slag roof, concrete floors, elevators, vapor heat, electric light, steel sash, fire doors. Architect taking bids.

Boiler House (add. and alts.), United States Quarantine Station, Marcus Hook, Pa. Architect, J. A. Wetmore, Treasury Department, Washington, D. C. Owners, Treasury Department, Washington, D. C. General alterations and addition, mechanical equipment. Owners taking bids due June 21st.

Gangway and Wharf, United States Quarantine Station, Marcus Hook, Pa. Architect, James A. Wetmore, Supervising Architect, Washington, D. C. Owners taking bids due June 21st.

Schools (4), Haverford Township, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, School Board of Haverford Township, Haverford, Pa. Plumbing, heating, electric, separate bids. Chestnut Wold Grammar School, 6-room add. Brookline Grammar School, 4-room add. Senior High School, Brookline, 4-room add. Junior High School, Brookline, 6-room add. Owners taking bids due June 13th at noon.

MITCHELL BROS.

Carpenters, Builders and Contractors

2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Curtain Junior High School (add. and alts.), Williamsport, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Williamsport School Board, H. A. Sterner, 229 West Third street, Williamsport, Pa. Brick, stone, steel, 2 stories and basement, 108x145 feet, slate and tile roof, composition floors, hollow tile, dumb waiter, cut stone, bronze, brass, hollow metal doors and sash, gypsum partitions, metal lath (heating, plumbing, electric separate). Owners taking bids due June 16th.

Cochran School, Williamsport, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Williamsport School Board, H. A. Sterner, secretary, 229 West Third street, Williamsport, Pa. Brick, reinforced steel, 2 stories and basement, 106x96 feet, slate roof, composition floors, hollow tile, caulking, cast stone, hollow metal doors, steel skylights, gypsum partitions, tile (heating, plumbing and electric separate). Owners taking bids due June 16th.

Residence, Lancaster Township, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Earl Dittenbaugh, 1036 Woods avenue, Lancaster, Pa. Stone, brick, 2½ stories, 35x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due June 10th.

Court House (alts. and add.), Lancaster, Pa. Architect, C. Emlen Urban, Lancaster, Pa. Owners, City of Lancaster, Board of County Commissioners, Lancaster, Pa. Stone, cut stone, granite, steel, brick, 1 story and basement, 60x30 feet, Barrett Specification roof, cement and linoleum floors, hollow tile, plumbing, metal weather strip, waterproofing, flagstone, metal lath, electric light, marble and terrazzo work, steel and kalamein doors, bond, iron stairs, ornamental iron work, brass and wrought iron pipe, bronze work, sandstone, ash hoist, vault doors. Owners taking bids due June 21st.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders:

Mifflin County, R-29, Derry Township, 3,157 feet. One course reinforced concrete. Rauch & Kessler, Northumberland, Pa., \$40,814.96.

Monroe, Wayne and Lackawanna Counties, R-168, Sec. 2, Coolbaugh, Lehigh, Covington, Clifton and Roaring Brook Townships, 41,685 feet. One course reinforced concrete. Johnson, Drake & Piper, Inc., Minneapolis, Minn., \$340,105.12.

Chester County, R-142, Sec. 5, Sadsbury and Valley Townships, 19,359 feet. One course reinforced concrete. Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$156,187.48.

Clearfield County, R-59, Sec. 6, Sandy Township, 2,309 feet. One course reinforced concrete. Avery & Bailey, Philipsburg, Pa., \$21,630.75.

Bridge, Lancaster County, R-280, over Chiches Creek in East Donegal and West Hempfield Townships, plate girder bridge, 2 spans, overall length 159 feet, roadway 24 feet, reinforced concrete floor, approach fills. Paul H. Sherich, Inc., Lancaster, Pa., \$59,207.66.

Bucks County, A-4282, Springfield Township, 18,724 feet. Bituminous surface treated macadam. J. M. Hutchinson, Altoona, Pa., \$81,686.80.

Butler County, R-246, A-4339A, Jackson and Zelenople Borough, 13,174 feet. One course reinforced concrete. O. B. Bracht, Titusville, Pa., \$9,311.04.

Mercer County, R-213, A-4100-3936A, Sandy Creek and Perry Townships, Sheakieville Borough, 12,865 feet. One course reinforced concrete. Jamieson & Knapp, Fredonia, Pa., \$8,176.74.

Perry County, R-275, Wates, Buffalo and Howe Townships, 45,320 feet. Grading and drainage, 8,250 feet. One course reinforced concrete. Swanger & White, Lebanon, Pa., \$296,447.15.

Luzerne County, R-170, Sec. 2, Fairview and Hanover Townships, 7,795 feet. Grading and drainage. R. H. Cunningham & Sons Co., Turtle Creek, Pa., \$239,361.28.

Montour and Northumberland Counties, Route 2, Mahoning and Point Townships, 2,787 feet. One course reinforced concrete. Thomas B. Evans, Danville, Pa., \$22,376.16.

Wayne County, R-6, Sec. 2, Canaan and Texas Townships, Waymart and Prompton Boroughs, 37,309 feet. One course reinforced concrete. David Schoentag, Inc., Saugerties, N. Y., \$436,946.20 (stone); Swanger & White, Lebanon, Pa., \$439,176.59 (gravel).

Berks County, R-146, Sec. 2, Mt. Penn Borough, 1,680 feet. One course reinforced concrete. William Sheidy, Wyomissing, Pa., \$19,686.50.

Luzerne County, A-3802, Black Creek Township, 25,200 feet. Bituminous surface treated macadam. David Schoentag, Inc., Saugerties, N. Y., \$171,464.15.

Pennsylvania Contracts Awarded

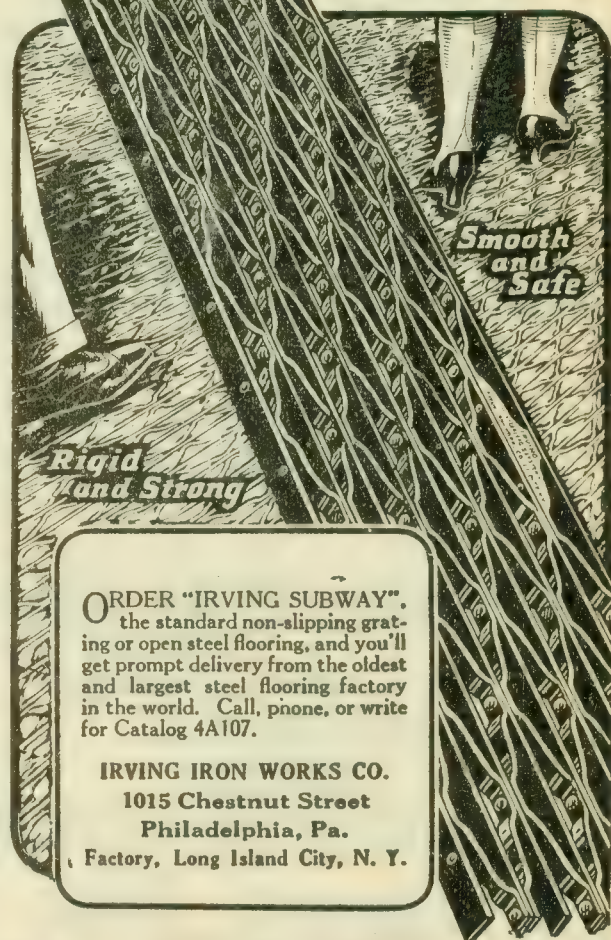
School Building, South side Marple, North of Elmwood avenue, Conshohocken, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Parish of St. Mary's, Rev. J. S. Mieczkowski, Conshohocken, Pa. Brick, limestone, 2 stories, 38x75 feet, slag roof, maple floors, metal lath, slate blackboard, hot water heat, electric light, steel windows, alterations to present school, 34x80 feet. Contract awarded Andrew Kackmarski, Swedesboro, Pa.

Residence, Ardmore, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, William H. Wilson, 1617 Walnut street, Philadelphia. Stone, 2½ stories and basement, 73x30 feet, shingle roof, oak and pine floors, electric light, metal lath, tile work, ornamental iron work (heating and plumbing reserved). Contract awarded J. E. Kearney, Wynnewood, Pa.

Residence, Washington lane and Maple avenue, Wyncote, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, Dr. J. H. Clark, care of architect. Brick, concrete, block, stucco, 2½ stories and basement, 26x34 feet, slate roof, oak and pine floors, electric light, metal lath, tile work, hot water heat. Contract awarded E. D. Leber, Abington, Pa.

Show Room (add.), Norristown, Pa. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Walter G. Wood, Norristown, Pa. Stone work, cut stone, concrete and cement work, brick work, iron work, tile work, carpentry and mill work, plastering, wall finish, linoleum, painting and glazing, hardware, plumbing, steam heat, electric

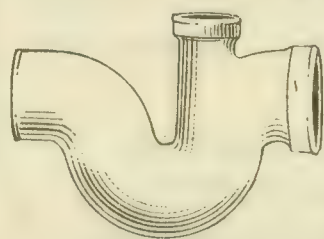
*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**



When you want Prompt Service, Intelligent Co-operation and Reliable

SEWER PIPE, FLUE LINING, WALL COPING

CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen

27th and Diamond Streets, Philadelphia

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

light. Contract awarded H. M. Alderfer, Norristown, Pa.

Stores and Apartments (7), Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Harry J. Rittenhouse, Ardmore, Pa. Brick, concrete block, limestone, 3 and 2 stories and basement, 58x27 feet, 6 stories, 20x52 feet, hot water heat, electric light, metal lath, slag roof, cement floors, ornamental iron work, bond. Contract awarded J. H. Dawson, Folcroft, Pa.

Bungalow, Spring City, Pa. Architect, J.

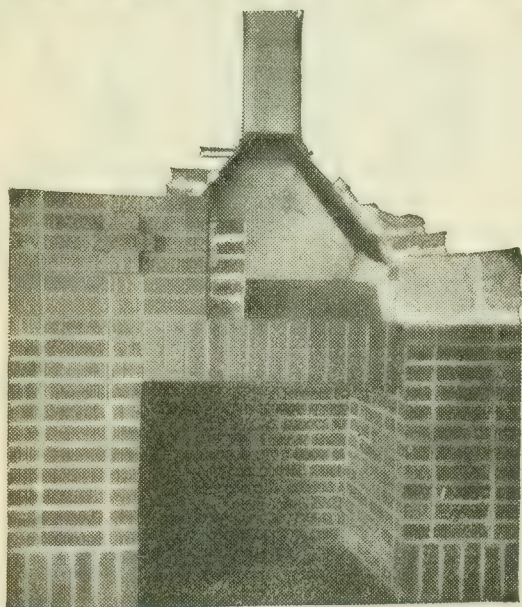
TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN
334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Millie Uener, Heckel avenue, Spring City, Pa. Brick, 7½ stories, 22x37 feet, asbestos roof, pine floors, Morgan doors, wood sash (heating, plumbing and electric lighting separate). Contract awarded to Frank L. Walley, Spring City, Pa. (Excavations started.)

Residence (alts., stone wall), Bryn Mawr, Pa. Architect, private plans. Owner, John Jacobs, on premises. Stone wall, oak and pine floors. Contract awarded J. D. Lengel, Wayne, Pa.

Sunday School (add.), York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Grace Evangelical Church, Rev. M. A. Kennelley, 39 Broad street, York, Pa. Brick, 1 story, basement and balcony, 54x67 feet, composition roof, maple floors, electric light, skylights. Contract awarded to G. W. Gilbert, Mason and Park avenues, York, Pa.

Factory, Reading, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, Earl Bortz, 1144 Moss street, Reading, Pa. Steel, brick, concrete, 2 stories and basement, 50x80 feet, slag roof, wood floors, elevators, fire doors, steel sash, vapor heat, electric work. Contract awarded to W. Clyde Barlow, Reading, Pa.

School, Steelton, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, St. Mary's Roman Catholic Church, Steelton, Pa. Brick, steel, 2 stories, 56x104 feet, maple floors, safety treads, roof ventilators, steam heat, electric light. Contract awarded to F. A. DeGroot, Twelfth and Derry streets, Harrisburg, Pa.

Bridge Repairs, Naylor Run, Delaware County, Pa. Engineer, G. Wright, Media, Pa. Owners, Delaware County Commissioners, Media, Pa. Contract awarded Mundy Paving Const. Co., 226 South Warnock street, Philadelphia, \$750.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Jefferson County, Route 357, A-3701, Ringgold Township. One course reinforced concrete. Contract awarded to J. B. Trexler, Lewistown, Pa., \$118,452.25.

Knitting Mills, 8th and Harrison streets, Allentown, Pa. Architects, Jacoby & Everett, Allentown, Pa. Owner, Arcadia Knitting Mills, Inc., I. Reinhold, Allentown, Pa. Brick, reinforced concrete, steel, 4 stories and basement, 240x66 feet (plumbing, heating, electric and elevators separate), Barrett specific roof, maple floors, waterproofing, cast stone, ornamental iron, bond, fire doors, rolled steel sash. Contract awarded Robert E. Lamb Co., 843 N. 19th street, Phila.

New Jersey Construction News

Grade School (alts. and add.), Bridgeton, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, Bridgeton, N. J. Brick, reinforced, concrete, cut stone, steel, 2 stories and basement, 46x23 feet (plumbing, heating, electric, separate), slate roof, composition maple and cement floors, hollow tile, metal ceilings, water and damp-proofing, cast stone, kalemein doors, bond, ornamental iron work, iron stairs, metal lath, metal toilet partitions. Owner taking bids due June 13th, 8 P. M. (S. T.). Bennett McLaughlin, 3434 Sansom St., Phila., Fred Lange, Audubon, N. J., Geo. W. Shaner & Son, Palmyra, N. J., Costanzo Bros., Camden, N. J., figuring.

Grading, Paving, Laurel Springs, N. J. Engineer, W. P. Houwen, 209 Market street, Camden, N. J. Owner, Borough Council, Laurel Springs, H. E. Bryson, Laurel Springs, N. J. Certified check, 10%. Bid letter. Owner taking bids due June 13th, 9 P. M. (D. S. T.). Approximately 6,620 square feet 4-inch sidewalk, 3,818 6x7x18-inch curb, 7,636 square feet 8-inch gutter and driveway, 397 cubic yards grading, 5,400 square yards 9-inch deep cover removed.

Store Building, 510-16 Blockfield avenue, Montclair, N. J. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Reinforced concrete, brick, steel, 2 stories and basement, 114x88 feet, slag roof, cement, pine and oak floors, metal lath, tile, marble and terrazzo, plumbing, metal window guards, waterproofing, metal ceiling, toilet partitions, sidewalk lifts, hollow metal sash and skylights, tin-clad fire doors, bond, metal bulks, iron stairs, iron work. Architect taking bids due June 11th.

School Building No. 2 (add.), Woodbury, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Education, Woodbury, N. J. Bond, bid bond or certified check, 5 per cent. Deposit, \$20, refunded. Owners taking bids due June 9th, 8 P. M. (Daylight Saving Time).

Apartment Building, Woodbury, N. J. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Brick, hoist construction, 40 apartments. Architect and J. T. Allen, Woodbury, N. J., taking sub-bids.

Residences and Garages (2), 1040-42 North Twenty-fifth street, Camden, N. J., \$6,000. Architect, private plans. Owner, Arthur Peterson, 1039 North Twenty-sixth street, Camden, N. J. Frame, 2 stories, 12x40 feet, slag roof, pine and cement floors, hot air heat, electric light. Permit issued.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Residences (8), 1144-58 and 1153-55 North Thirty-first street, Camden, N. J., \$4,500 each. Architect, private plans. Owner, William H. Townsend, 3129 River avenue, Camden, N. J. Frame, 2 stories, 14x38 feet, Carey asphalt roof, warm air heat, electric light. Permit issued.

Residences (2), Garage (1), 1412-14 Sheridan street, Camden, N. J., \$11,000. Architect, private plans. Owner, Bruno J. Wilinski, 1213 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 14x50 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light. Permit issued.

Addition, 657 South Third street, Camden, N. J., \$2,000. Architect, private plans. Owner, Nick Mealo, on premises. Brick, 2 stories add., 26x27 feet 8 inches, slag roof. Permit issued.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 18, Sec. 6, Lemoine Avenue Extension, Bergen County. Earth excavation, rock excavation, borrow, double line reinforced concrete pavement, sheet asphalt surface, single line reinforced concrete base. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due June 20th at 11 A. M. (Eastern Standard Time).

New Jersey Contracts Awarded

Residence, Collings avenue, Collingswood, N. J. Architect, J. Herbert Radey, Collingswood, N. J. Owner, Charles McQuilliam, Collingswood, N. J. Brick, 1 stories, 27x42 feet, warm air heat, electric light, tile work, slate roof, hardwood floors, garage 10x20 feet. Contract awarded J. D. Hill, Collingswood, N. J.

High School, Gloucester, N. J. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, St. Mary's Roman Catholic Church, Rev. M. Brio, Gloucester, N. J. Stone, cut stone, brick, steel, 2 stories and basement, slate roof, pine and cement floors, metal window guards, waterproofing and dampproofing, bond, area gratings, cinder concrete block, iron stairs and ornamental iron work, fire and hollow metal doors, hollow metal sash, tile, marble, terrazzo work, metal lath. Contract awarded F. J. Schuler, Norristown, Pa.

Power House and Laundry, Mt. Ephraim avenue, Atlantic avenue, Camden, N. J. Engineer, F. F. Kaufman, 13 North Thirteenth street, Philadelphia. Owners, West Jersey Homeopathic Hospital, Camden, N. J. Reinforced concrete, hollow block, brick, steel, 2 stories and basement, 1 story and basement, 50x40 feet, 75x75 feet, built-up roof, cement floors, rolled steel sash, steel door, bond. Contract awarded Bennett-McLaughlin, 3434 Sansom street, Philadelphia.

School, Morrisville, Pensauken Township, Camden County, N. J. Architect, J. C. Jeffries, 312 Market street, Camden, N. J. Owners, Board of Education, C. H. Corson, Pensauken, N. J. Brick, steel, 1 story, 90x70 feet, slag roof, pine floors, fire doors (heating, plumbing, electric separate). Contract awarded C. E. Widell, Camden, N. J., \$36,930. Plumbing, F. W. Peters, Woodbury, N. J., \$2,500. Heating and ventilating, F. W. Peters, Woodbury, N. J., \$5,975. Electric, C. A. Ackley, Camden, N. J., \$1,000.

School (alts. and add.), Runnemede, N. J. Architects, Edwards & Greene, 213 Market street, Camden, N. J. Owners, Center Township School Board, P. T. L. Coley, Runnemede, N. J. Contract awarded Graham Chambley, 3649 Filbert street, Philadelphia, \$61,444. Electric, Franks & Sweeney, 1073 Haddon avenue, Camden, N. J., \$2,885. Heating and ven-

tilating, H. Knecht, West Collingswood, N. J., \$9,889. Plumbing and drainage, S. W. Peters, Camden, N. J., \$9,750.

Building (add. and alts.), 320-22 Pine street, Camden, N. J., \$11,500. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, D. Canzanese & Sons, on premises. Brick front, 2 stories, new brick side wall, 30 feet, new slag roof, general alterations. Contract awarded to Candelaro Carullo, 601 South Fourth street, Camden, N. J.

Residence and Garage, 1637 Baird avenue, Camden, N. J., \$7,000. Architect, F. Herbert Radey, Collingswood, N. J. Owner, Philip Kalikman, 124 North King street, Gloucester, N. J. Brick, 2 stories, 16 feet 6 inches x 55 feet, slag roof, hot water heat, electric light, pine and cement floors. Contract awarded to Harry Vansant, 550 Haddon avenue, Collingswood, N. J.

Building (add. and alts.), 821-23 Broadway, Camden, N. J., \$4,000. Architect, private plans. Owner, Henry Miller, 1306 Chestnut street, Philadelphia. Block, 1 story, 20x30 feet, slag roof, moving back front of building. Contract awarded to L. T. West, Fifth and Royden streets, Camden, N. J.

Miscellaneous Construction News

Hotel, Lewes, Del., \$60,000. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Lewes Hotel Co., C. C. Marshall, Lewes, Del. Semi-fireproof, 3 stories, tile and marble. Too early for details.

Theatre, Salisbury, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, name withheld. Fireproof, steel, 1 story and basement, 50x156 feet, hollow tile, bronze work, ornamental iron, fire doors, tile and marble, metal lath, electric light. Plans in progress. Architect will be ready for bids next week.

Palestra, Morgantown, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, University of West Virginia, care of State Board of Control, J. S. Lakin, Charleston, W. Va. Plans will be ready June 10th. Owners taking bids due July 11th. Deposit, \$25, refunded, if plans are returned with bona fide bids.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Contract 72B, Wilmington Bridge approaches. Excavation, selected borrow, broken stone base course, cement concrete pavement, cement concrete sidewalk, Class A concrete, reinforcement, R. C. pipe, relaid pipe, Class A concrete gutter, armored concrete curb, B. M. sheet piling, cast iron gratings. Contract C358, Dublin Hill-Wooden Hawk, 5.70 miles. Clearing, grubbing, excavation, borrow, gravel, cement concrete pavement, cement concrete pavement (slag aggregate), Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, relaid pipe, wire cable guard rail, wood shoulder curb. Owners taking bids due June 15th at 2 P. M. Plans, \$2.50 per set. Certified check, 10 per cent.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Low bidders on work received June 1st. Contract CS 57, Midway-Ancola, 6.14 miles. Old Line Const. Co., Chestertown, Md. Stone, \$142,809.50; slag, \$139,979.75. Contract 82, State Road-Causeway (widening), 5.32 miles. William Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$198,551.50.

Miscellaneous Contracts Awarded

Armory, Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owners, State Armory Commission, W. E. Hoopes, secretary, DuPont Building, Wilmington, Del. Brick, stone, steel, 1 story, 189x150 feet, composition roof, dumb waiters, cut stone, cast stone, ornamental iron, iron stairs, hollow metal doors, steel sash, tile work (heating, plumbing, electric separate). Contract awarded to Northeastern Const. Co., Lexington Building, Baltimore, Md., \$206,840. Electric to Electric Cont. Co., 111 West Eighth street, Wilmington, Del.

Residence and Garage, 2702 Boulevard, Wilmington, Del., \$19,200. Architect, private plans. Owner, A. Overdeer, 218 West Nineteenth street, Wilmington, Del. Brick, stone, 3 stories, 38x30 feet, 21x21 feet, slate roof, hot water heat, electric light, tile work. Contract awarded to W. D. Haddock & Co., 804 Orange street, Wilmington, Del.

Apartment House (add. and alts.), 606 West street, Wilmington, Del., \$8,000. Architect, private plans. Owner, Daniel Nigro, 604 West street, Wilmington, Del. Brick, 20x29 feet add., general alterations. Contract awarded to Harry S. Lynch Co., 715 Tatnall street, Wilmington, Del.

Residences (20), (10) Lovering avenue, (10) Franklin street, Wilmington, Del., \$150,000 total. Owner, Charles P. Witsil, 2523 Jefferson street, Wilmington, Del. Brick, (10) 2½ stories, 24x32 feet, 8x10 feet, (10) 2 stories, 21x30 feet, slate and slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Proposals

TREASURY DEPARTMENT, Office of Supervising Architect, Washington, D. C., May 31, 1927. SEALED BIDS will be opened in this office at 3 P. M., June 21, 1927, for boiler house (addition to disinfecting and bath building) including mechanical equipment, Marcus Hook, Pa., U. S. Q. S. Drawings and specifications may be obtained from the medical officer in charge or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., May 31, 1927. SEALED BIDS will be opened in this office at 3 P. M., June 21, 1927, for reconstructing gangway, change of wharf, etc., for U. S. Q. S., Marcus Hook, Pa. Drawings and specifications may be obtained from medical officer in charge or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

THE RELATIONSHIP OF THE ARCHITECT AND DECORATOR By ZOE A. BATTU, in the "Pacific Coast Architect"

The architect and the decorator? Here are two men who, by the peculiar nature of their work have always been vital forces in the creation of the order and balance of conditions called civilization. The one takes things—stones or what you will—of certain size and shape, definite,

sharp, quite material in themselves, and builds cities, churches, monuments, buildings, homes. In the building that which is essentially material acquires the fluid something that carries man's thought into abstract spaces; fills him with new desires and unshaped dreams. In the effort of realizing the desires—of giving form and shape to the dreams—he lifts himself to a finer consciousness mentally and physically. Thus the architect serves in the process of civilization.

The decorator follows the architect. He has, as a background for his labors, four bare walls. They may be architecturally perfect, but unadorned they are impersonal and removed from the individual—something that may move him emotionally, but that he cannot lay his hand upon. There is a cycle to be completed, a gap to be bridged in order that the occupants of a home may have an intimate relationship with its masses and spaces.

To establish a bond between a man and the four walls of his home is the decorator's function. He must give the individual things upon which he can lay his hands—books, pictures, chairs, vases, familiar objects that fuse the impersonal with the personal. The decorator, who works always in this spirit of creating a kinship between the home owner, his home and its decorative treatment, invariably succeeds in producing something more than an artistically good interior. He creates a place wherein people can live. He gives them a world of their own, peculiarly apart, but in which they can find much that brings them into closer relationship with themselves and the entire outside world. More than that, no artist can hope to do.

Thus it may be seen that the bond between the architect and the decorator is a very close one. It may be likened to the relation between a singer and accompanist. If either one plunges on without subtly connecting his part to that of the other, if either one tries to unduly dominate, the result is not music but confusion. Both may be fine and capable artists, but a joint recital must be a joint recital or he who seeks to center attention on himself ceases to be an artist. He defeats his own end by the very means that he utilizes in the attempt to gain them.

So it is with the architect and decorator. Neither can well afford to go his way without due regard for the other. Neither can afford to seek to dominate by serving effects rather than principles. For a home is judged largely as a whole. The point at which the architect leaves off and the decorator begins must never be too awkwardly obvious, or the result is a house divided against itself architecturally, decoratively and artistically. Neither the work of the architect nor of

the decorator can achieve its ultimate possibilities in such a case.

Moreover, this bond shows every indication of assuming greater proportions. In the last dozen years a gospel of good architecture and decoration has been broadcasted upon the land. Practically every newspaper, magazine and periodical in the country carries a special department devoted to the designing, building and furnishing of the home. There are a score or so of ably edited magazines of national circulation, which confine themselves to these subjects alone.

As a result of this activity of the press, the American public is no longer content with the prosaic and ordinary in homes. Nor does it have to be content with the commonplace, for, literally, the man on the street is financially able to hire an architect and decorator for his home of comparatively modest appointments. On her part, the American housewife demonstrates that even bargain basements are rich in decorative possibilities.

This interest in and general desire to acquire good homes are on the whole most desirable. They indicate esthetic and artistic interest of a practical and wholesome sort, and this condition is always more promising than indifference. But it must also be recognized that there has arisen a vast number of fads, fancies, schools, isms, schisms and what not in architecture and decoration. At some points the decorative imagination has run riot, and there are instances where we are ridiculously over-decorated. However, as we have before noted, the movement on the whole is good and nothing at which to take alarm. It presents, rather, an opportunity for the architect and decorator to clarify the main issues; to establish principles for effect; to give vigorous expression to that which is really vital and has inherent elements of endurance. As to the actual methods by which an architect and decorator can work together, there is a tremendous and almost untouched field. The ideal relationship would be for the client, the architect and the decorator to plan together from the first rough ideas to the finished home. This, however, is an ideal. It is perhaps not impossible, but as conditions now exist it would be somewhat impractical and in most cases too costly for either the architect or decorator.

But it is somewhat within the limits of possibility for an architect to keep in touch with decorators, whose abilities, tastes and temperaments enable them to complete and complement the spirit of the several architectural styles in homes. The decorator will also do well to cultivate a working contact with architects, whose homes provide an ideal background for the trend of his personal abilities and talents. Where such a contact exists, it would no doubt in many cases be possible to gain the ap-

proval of the client on some sort of co-operation between the man who is designing the house and the one who will decorate it. Such an arrangement would be to the profit and benefit of the client, the architect and the decorator.

Another method always open to the architect and one that no doubt wins the approval of the decorator is that of roughly blocking into the room sketches, units of furniture, hanging, etc. The sketches need not be elaborate drawings of exact pieces, but merely the smaller masses placed in relation to the architectural background.

The merits of the method are obvious. By making perspective sketches of the furnished rooms, it is possible to get a more accurate idea of its relationships than the best blueprint affords. Such sketches may reveal flaws in the proportions, in the placing of windows, doors and similar details, that might not otherwise be apparent until the work neared completion. The error can be corrected in the blueprint, and even though the architect and the decorator never see each other in a house so planned and sketched, the decorator receives a finely balanced and adjusted background against which to place his decorative effects. He can be truly creative and not be forced to waste his talents in attempting to conceal or minimize architectural flaws.

To this factor of mass relationships in architecture and decoration, there has been given a great deal of attention. Generally speaking, the capable architect and decorator keeps them in mind at every step of his work. Two more subtle points, which are constantly demanding that greater attention be given them, are color and texture in wall, floor and woodwork treatments. An infinite variety of wall, floor and woodwork treatments are now available. An architect with any ingenuity at all can devise effects that are both lovely and original.

However, before venturing too far with a striking and intriguing color scheme or texture treatment, it is always well for the architect and his client and the proposed decorator to shop about a bit to see if rugs, draperies and other fabrics can be found to match the proposed wall or floor finish. If nothing is available that will happily blend with the intended scheme, it had better be abandoned and something else originated. Even the design, proportions and finish of furniture in a room, where it is planned to create something special in color and texture treatment, had best be considered rather judiciously before definite steps are taken. For it will often be found that ill-adjusted color and form have a way of producing unexpected optical illusions.

Taken from any angle, the points of color and texture are illusive things—the

fine overtones and undertones of the main themes and backgrounds. Like all details they must be executed with sensitive finesse or the result is both disturbing to the senses and destructive to the entire work. Color and texture are not things that can well be decided by mere conjecture or snap judgments. Decisions can only be safely made after experimentation. So arbitrary in their demands are these two details that they practically force the architect and decorator to work hand in hand; to decorate the home while it is still in the blue-print stage.

As a matter of fact, it seems that the whole future relationship of the architect and the decorator is in the blueprint stage. This is an era in which American art standards are slowly being created. By the nature of things, the architect and the decorator are destined to play leading parts in the process, and it would appear that the two have reached a point where they will do well to merge their work to a greater degree than they have possibly done in the past. From such a merger it is difficult to say what may ultimately come.—*Building Industry*.

LIME INDUCES GREATER GARDEN YIELD

The rapid, vigorous growth necessary to both high quality and large yields of vegetables from the garden is aided by the use of lime. Practically all garden soils, particularly in towns and cities, need lime, and would be benefited by about ten pounds per 100 square feet. Any finely pulverized lime is satisfactory. Hydrated lime, used in building construction, can be obtained from the local building supply dealer, and is highly efficient on the soil.

If the soil is sour it needs liming, even if commercial fertilizers and manure are freely used, for in a sour soil the manure will not decompose readily. Then, too, lime is part of the food of plants and is essential to their growth. To that degree lime is a fertilizer, or food source. April is the best season of the year to lime gardens.

Perhaps the simplest test for the home gardener to ascertain the need of lime in the soil is to stir up a thimbleful of soil in a tumbler of clean water to which a tablespoonful of household ammonia has been added. Let the mixture stand for ten minutes, and if the liquid is a dark to inky color, the soil needs lime. If the liquid is a light straw color, the soil may not need lime, although a light application is never harmful.

When fresh manure is used, it should be plowed under to a depth of six to eight inches and entirely covered with earth. On the other hand, if the manure is well-rotted, only half should be plowed under, the other half broadcast and raked into the surface. The right time to apply

lime is after the manure has been plowed under. Broadcast and rake it into the surface.

About a bushel of lump lime thrown into the furnace after the ashes are removed in the Spring will prevent rusting of the grate during the Summer.

REASONS FOR QUANTITY SURVEYING

"Quantity Surveying," or the "Quantity Survey System" is logical and desirable. Its eventual adoption is inevitable if this country is progressing and conditions of human welfare improving, because:

(a) It results in **ECONOMY**—the conservation of physical and mental labor and its equivalent intrinsic value, by doing away with duplicated effort in preparing surveys for the purpose of making a bid. It enables the buyer to get material at a lower cost because it furnishes positive knowledge of what and exactly how much is needed.

(b) It creates **FAIRNESS** in competition and does away with special privileges for it resolves contracting to a buying and selling proposition.

(c) It encourages **HONESTY**, by exposing the facts otherwise unknown to the purchaser.

(d) It brings about **EFFICIENCY** in design. The plans and specifications are necessarily checked from a cost point of view, and corrected before being placed in the hands of the contractors.

(e) It brings **HARMONY** between the owner and contractor. The need for extras are reduced, thereby the construction proceeds on a smooth basis.

(f) It speeds the work to satisfactory **PROGRESS**, because the materials come to the site when and of the *Quality* and *Quantity* needed, through positive knowledge in ordering.

It can readily be seen that this service to the Owner will greatly reduce the cost of his construction work. To get the best results this work should be prepared by professional surveyors who are making it their life work, and paid what they are worth. The cost of surveying ranges from 25 per cent. to 50 per cent. of the cost of designing a structure.

The surveyor's fee may be paid direct by the owner, incorporated within the fees of the Architect or may be specified to be included within the contract of the successful contractor and be paid for by him just as he pays the cost of bond or insurance premiums. It should never come out of the architect's or engineer's fee.—*Architecture and Building*.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

HOME DEPRECIATION STRESSES VALUE OF BRICK CONSTRUCTION

Building bulks more largely in our national prosperity than most people appreciate. In 1925, for instance, if statistics are to be believed, one-eighth of the national income, or a sum equivalent to that amount, was spent in building construction.

Incidentally this tremendous expenditure is something the building trades unions might well consider in framing their annual spring demands for wage increases, which usually result in a season of idleness quite as disastrous to themselves as it is to the building interests.

But more important than this, by far, to the prospective builder, who is hesitating in his decision as to which type of construction he is to adopt, is the reason why so much building investment is necessary annually. The popular prediction for this year, by the way, is between six and one-half and seven billions.

According to the best authorities the wastage from structural depreciation annually on dwellings alone is about \$3,000,000,000, and that on all other buildings \$1,000,000,000. This becomes doubly significant when one remembers that about 85 per cent. of the residences in America are built of wood.

If it be a fact that \$3,000,000,000 worth of home building is necessary annually to replace the wood dwellings that are worn out and abandoned, it behooves the prospective builder to think twice before building a frame house. Especially when it is possible for him now to build of common brick, at an increased cost of less than 5 per cent., a durable home of permanent burned-in beauty, which will outlast the wood structure three times over, be economical of upkeep all its life and always of highest resale value.

—*Building Economy*.

Fifty years ago the grocer set out a keg of mackerel and a box of kindling wood, and sat down to wait for customers. Today he carries street-car and newspaper advertising and dresses his windows as smartly as the department store. If it didn't pay he'd still be sitting behind the stove waiting for customers with a mackerel keg out front doing service for a sign.

The only road to advancement is to do your work so well that you are always ahead of the demands of your position. Our employers do not decide whether we shall stay where we are or go on and up; we decide that matter ourselves. Success or failure is not chosen for us: we choose them for ourselves.—H. W. Mabie.

You can't expect to do your "bit" of this busy world's business unless you enlist in the advertising ranks.

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Ceresit Waterproofing Corp. OF CHICAGO

*Dampproof, Plaster Bond, Roofing
Foundation Coats*

*Transparent Waterproofing, Cement and
Stucco Paints, Floor Hardeners*

*Ceresit Compound, Ceresit Powder,
Ceresit Integral Compound*

*Iron Waterproofing, Colored Integral
Hardeners, Anti-Freeze Liquid*

Phila. Building Materials Co.

JOHN F. DAKIN
Distributing Agents

Office and Warehouse : 1209-11 No. TANEY ST., Philadelphia

OUR COMPLETE STOCKS ASSURE PROMPT
APPLICATIONS—NO WAITING

TELEPHONE—POPLAR 2118

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS
TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH

SHEETROCK
WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.

Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING

Libman, S. 831 S. 49th St., Phila.

CEMENT

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co. 617 Filbert St., Phila.

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Phila. Building Material Co. 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co. Westmont, N. J.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B. & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLASTERER

Sterling, Joseph South Merchantville, N. J.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

Lee T. Ward Co. 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

After a Fire

you'll find no satisfaction in figuring up the amount of insurance you should have had.

But there's a lot of satisfaction in knowing that your property as it stands today is fully covered by dependable fire insurance.

Our policies are backed by a 135 year record of obligations promptly met. Your agent or broker can get you a North America policy.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

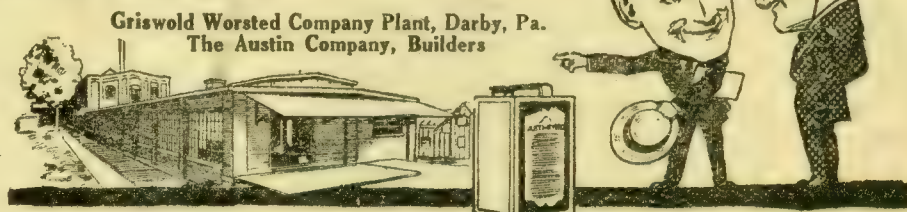
"ANTI-HYDRO" Keeps Springs of Water Out of This Building

There are two underground springs under this building but the basement is always dry because the concrete foundation is permanently waterproofed with "ANTI-HYDRO."

"ANTI-HYDRO" waterproofs concrete against any head of water; it also hardens it in the same operation.

Being a liquid integral compound, "ANTI-HYDRO" mixes easily with the gauging water without the aid of skilled labor. It also accelerates the set of cement, increases its strength and eliminates finishers' overtime work.

For 23 years "ANTI-HYDRO" has been successfully used on every kind of concrete hardening and waterproofing work. Use it on your next job for permanence.



Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 24
June 15, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Stucco

"P. G." Hardwall

"P. G." Wood Fibred Plaster

"P. G." Plaster of Paris

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Roof Tile

"Gyproc" Wall Board

"Gyproc" Joint Filler

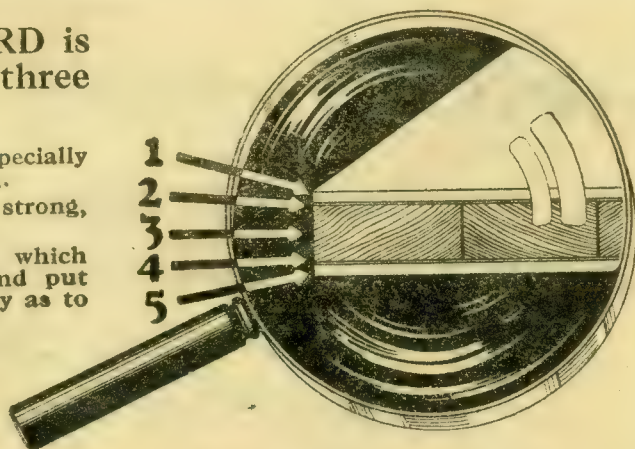
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Price—

A stumbling block all concerns fall
over when they try to give first-class
material, real honest workmanship,
together with efficient service.

On your next ELECTRICAL JOB
think that over.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered
right to your job by trucks is a time
and money saving method being adopted
by many contractors and builders.

Why not call us up for particulars?

**West Jersey Sand
and
Supply Corp.**

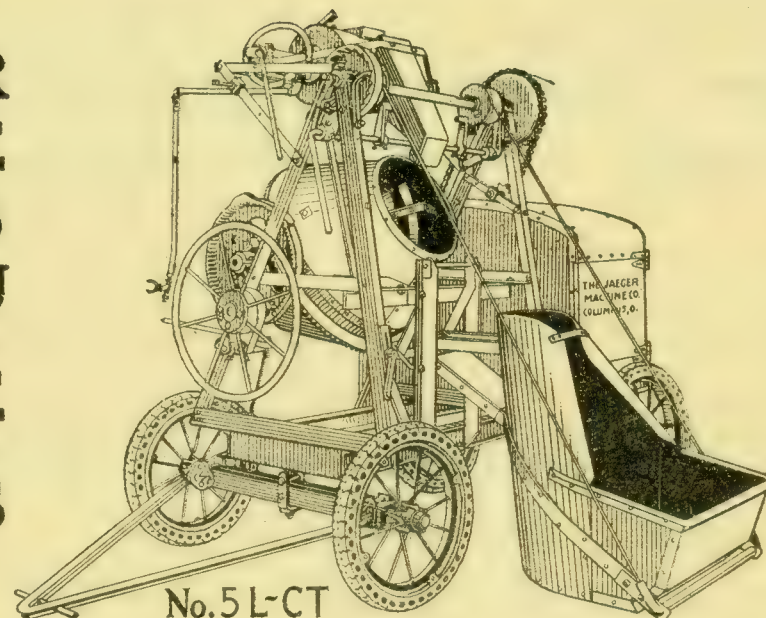
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Diston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

**R
E
S
U
L
T
S**



**S
E
R
V
I
C
E**

JAEGER MIXERS

**DON'T KNOW
A DISSATISFIED USER**

LEE T. WARD CO.

**617 FILBERT STREET
PHILADELPHIA**



**LOW PRESSURE
Electric Refrigeration**

by

Welsbach

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

**Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels**

**FABRICATED STEEL
IRON BARS**

RICHARD DeCOU CO.

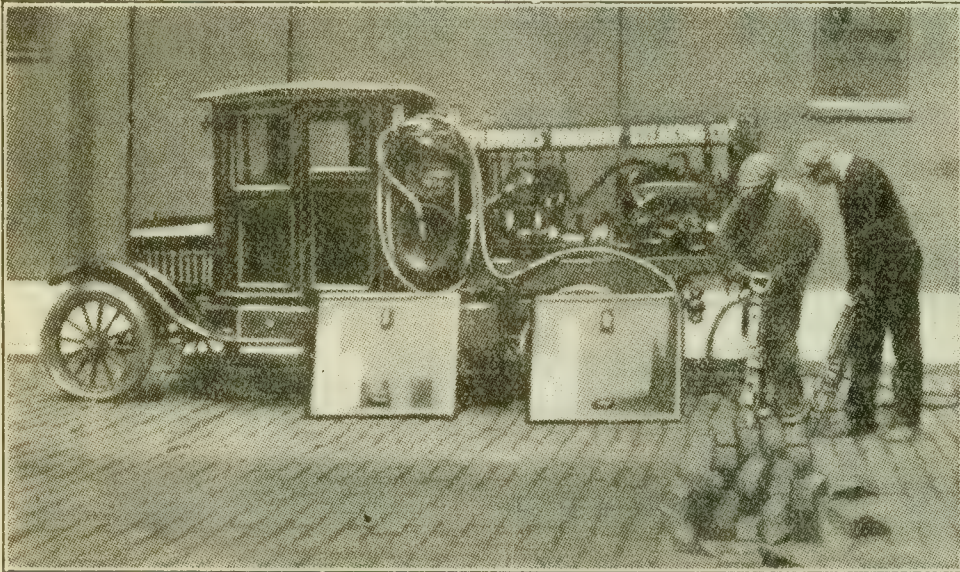
Steel Warehouse

**11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.**

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON Co.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Excavating

Steel Erecting

Trench Work

Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

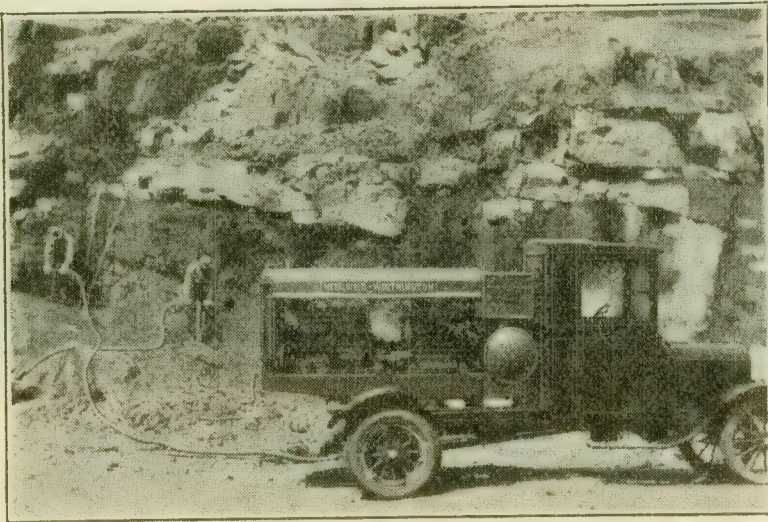
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 24

PHILADELPHIA
June 15, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Senior High School, Twenty-eighth and Mifflin streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, steel. Work contemplated.

Grade School, Frankford avenue and Clementine street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, 3 stories and basement. Plans in progress.

Store and Apartment (alts. and add.), 3701 Spruce street, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, H. Baylinson, Thirty-fourth and Walnut streets, Philadelphia. General alterations and additions. Plans in progress.

Bank Building, Northeast Corner Broad and Stiles streets, Philadelphia. Architects, Eric Fisher Wood, Pittsburgh, Pa.; Ritter & Shay, Packard Building, Philadelphia. Owners, Broad Street Trust Co., Twelfth and Arch streets, care of S. E. Kraus, Juniper and Walnut streets, Philadelphia. Brick, stone, steel, 160x77 feet. Preliminary plans being prepared.

Grade School, Eleventh and Odgen streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Work contemplated.

Senior High School, Front and Duncannon streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, steel. Work contemplated.

Loft Building, 1202-10 Filbert street, Philadelphia. Owner, Benjamin F. Cohn, Widener Building, Philadelphia. Reinforced concrete, steel, brick, 86x106 feet, size of lot. Plans in progress.

Garage (add.), East side Twenty-third street, South of Market street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Automobile Club of Philadelphia, Kane S. Greene, on premises. Reinforced concrete, steel, 3 stories. Architects selected.

Store Building, Southwest Corner Thirteenth and Chestnut streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Blum Store, M. Spector, president; J. Kass, vice-president; A. Spector, treasurer, Juniper and Chestnut streets, Philadelphia. Brick, steel, 10 stories and basement. Plans in progress.

Residence, Henry road and Coulter street, Queen Lane Manor, Philadelphia. Architect, name withheld. Owner, William Neishickel, Jr., Twenty-fifth and Sedgley avenue, Philadelphia. Size of lot, 60x167 feet. Plans in progress.

Church, 203 West Walnut lane, Philadelphia. Architect, Norman Hulme, 1524 Chest-

nut street, Philadelphia. Owners, Church of the Atonement, Rev. H. F. Smith, on premises. Stone, slate roof, electric light. Plans in progress.

Church, Rising Sun and Cottman street, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Burholme Baptist Church, Rev. W. Lockhart, Fox Chase, Pa. Plans in progress.

Taggart School (rebuilding), Fifth and Porter streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans in progress.

Fire Sub-Stations (2), Germantown and Frankford. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Safety, City Hall. Work contemplated. Site not selected.

Community Building, Southeast Corner Porter and Marshall streets, Philadelphia, \$100,000. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, Talmud Torahs, care of Louis Leventhal, Bankers' Trust Building. Brick, 2 stories. Plans in progress.

Building (alts.), Southeast Corner Seventeenth and Walnut streets, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Stores (5) on first floor, office on second floor, gen-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

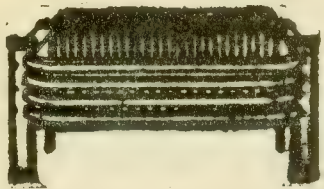
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

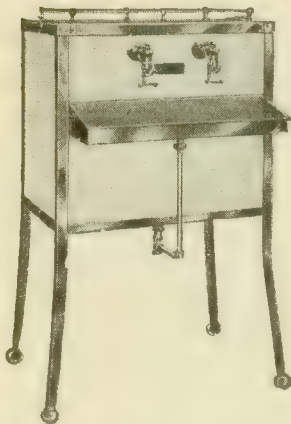


FOR
**FIRE PLACE
FIXTURES**



DRINKING FOUNTAINS

DESIGNS FOR EVERY TYPE BUILDING



Restaurant Model
Other models for clubs
factories, offices
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water.

More than one floor can be supplied with ice cold water.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

We would like you to visit our show-room before selecting your Plumbing and Heating Equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

eral alterations. Architect will be ready for bids June 13th.

Residences (20), Twentieth street, between Andrew and Middleton avenues, Ogontz. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, S. Kousar, 5231 Heston avenue, Philadelphia. Brick, 2 stories, 16x43 feet, slag, tile and slate roof, hardwood floors, hot water heat, electric light, metal lath, cement work, garages in basement. Owner taking sub-bids.

Mt. Sinai New Building and Maternity Wing, 1425 South Fifth street, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Brick, stone, concrete, steel, 4 stories and basement, 8 stories and basement. Plans in progress. Architects ready for bids.

Community Building, 508 Moore street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Assoc. Talmud Torahs, care of L. E. Levinthal, Bankers' Trust Building. Reinforced concrete, brick, limestone, 2 stories, 47x115 feet, slag roof, maple floors, vapor heat, electric light, tile and marble work, rolled steel sash, kalamein doors. Plans completed. Ready for bids in a few days.

Hotel (alts.), Chestnut street, near Thirteenth street, Philadelphia. Owners, Hotel Adelphia, C. E. Goodin, on premises. General alterations, terra cotta work. Owners will soon take bids.

Conwell Hall (add.), Northeast Corner Broad and Montgomery avenue, Philadelphia, \$75,000. Architect, W. H. Lee, Schaff Building, Philadelphia. Owners, Temple University, on premises. Hollow tile, seventh floor add., 53x96 feet. Plans about completed. Architect will be ready for bids in ten days.

Buildings (alts.), 2403-09 North Broad street, Philadelphia. Architect, name withheld. Owners, Boston Realty Co., on premises. Concrete work, brick work, iron, steel, plastering, marble and tile work, carpentry and mill work, oak floors, repairs to tin roof, painting, glazing, steel sash, hardware (plumbing, heating and electric separate bids). Owners taking bids due as soon as possible.

Building No. 1, Elmwood avenue, between Sixty-seventh and Seventieth streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., Sixty-seventh and Elmwood avenue, Philadelphia. Reinforced concrete, brick, 2 stories and basement, 560x140 feet, gypsum roof, Carey roof, cement floors, safety treads, dampproofing, floor hardener, bond, ornamental iron work, wood block floors, gypsum block partitions, metal lath, tile work, hollow metal sash, rolling steel doors. Archi-

teets taking bids due June 21st, at 3 P. M.

Mezzanine Floors (United States Post Office), Ninth and Market streets, Philadelphia. Architect, J. A. Wetmore, Washington, D. C. Owners, United States Treasury Department, United States Government, Washington, D. C. Structural steel, iron work, hardware, electric work, painting, carpentry and mill work, brick work, cement work. Owners taking bids due June 17th.

Warehouse, West side Twentieth, South of Hamilton street, Philadelphia. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete, brick, steel, 3 stories and basement, 110x374 feet, Barrett Specification roof, cement floors, elevators, waterproofing, ornamental iron work, bond, rolled steel sash and doors, kalamein doors, electric light. Owners taking bids due June 17th.

Storage (add. to kitchen), United States Veterans' Hospital, No. 49, Philadelphia. Architects, Construction Department, United States Veterans' Bureau, Washington, D. C. Owners, United States Government, Veterans' Department, Washington, D. C. Brick, concrete, 1 story, 70x27 feet, tin roof, pine floors, steam heat, electric light, metal lath, bond, wrought iron pipe, refrigerator plant. Certified check, 25 per cent. Owners taking bids due June 28th, 11 A. M.

Bath House, 1808-14 East Hazzard street, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Public Bath Association of Philadelphia, on premises. Stone, brick, cut stone, reinforced concrete, limestone, 2 stories and basement, 52x53 feet, slag roof, cement floors, plumbing, membrane waterproofing, dampproofing, marbleoid, linoleum floors, wrought iron pipe, ornamental iron work, bond, hollow metal doors and sash, rolled steel sash, tile and marble work, gas lighting. Architects taking bids due June 20th.

Store (alts.), 625 Market Street, Philadelphia. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owners, 625 Market Street Realty Co., care of architect. Shoring, brick work, plastering, brick work, oak floors, marble and tile work, carpentry and mill work, hardware, painting, glazing, electric work. Architect taking bids due as soon as possible.

Elks' Home, Sixteenth and Fitzwater streets, Philadelphia. Architects, A. E. Westover, Jr., O. H. Fisher, 109 South Twenty-second street, Philadelphia. Owners, O. U. Cotta Lodge, No. 20, I. B. P. O. E., on prem-

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

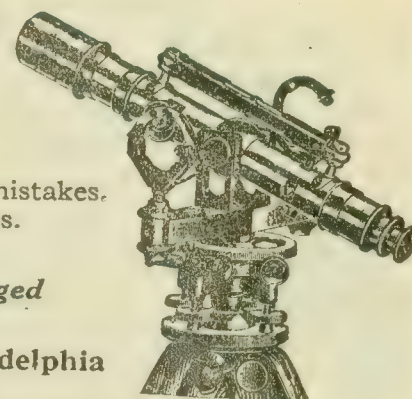
It will save you time and money and prevent costly mistakes.

Examine our complete line of Rebuilt Transits and Levels.

Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years



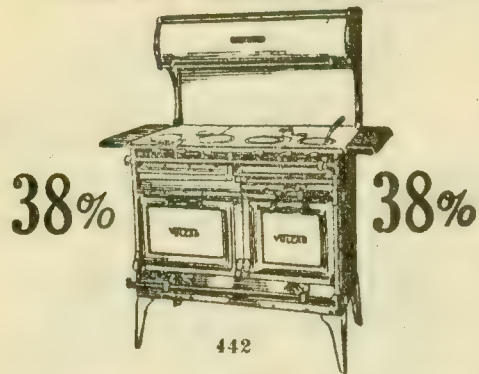
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

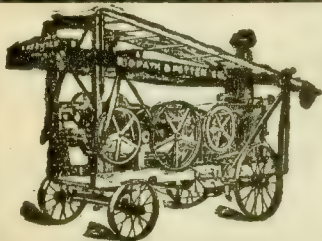
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

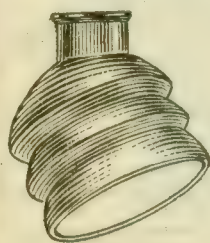


We Drill Wells and Get Water
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

ises. Brick, reinforced concrete, granite, steel, 3 stories and basement and mezzanine, 112x57 feet, slag roof, pine floors, hollow tile, painting and glazing, architectural terra cotta, ornamental iron work, area gratings, metal lockers, metal partitions, Zenithern floors, rolled steel sash and skylights, tin-clad fire doors, bond, ornamental iron work. Architects taking bids due June 24th.

Workshop (alts. and add.), 1304-12 West Cumberland street, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, Conrad Wacker, on premises. Brick, reinforced concrete, steel, new second story, 78x72 feet, slag roof, maple floors, plumbing, hot water heat, electric light, rolled steel sash, hollow metal doors, bond, ornamental iron work, iron pipe, concrete work and ramp. Architects taking bids due June 16th, 10 A. M.

Church, Twenty-eighth and Diamond streets, Philadelphia. Architect, George I. Lovatt, 223 S. Sydenham St., Phila. Owners, Church of the Most Precious Blood, Rev. J. J. Greene, on premises. Brick, reinforced concrete, steel, 2 stories and basement, 129x81 feet (plumbing, heating, electric reserved), shingle and tile roof, cement and pine floors, metal window guards, waterproofing, cast stone, bluestone, wall finish, ornamental iron work, area gratings, iron stairs, casement windows, bond, tile and marble work, metal lath. Architect taking bids due June 29th.

Bank Building, 1508 Walnut street, Philadelphia. Architect, Arthur H. Broekie, 154 South Fifteenth street, Philadelphia. Owners, Bioren & Co., 410 Chestnut street, Philadelphia. Brick, granite, cut stone, reinforced concrete, steel, 3 stories and basement, 162x26 feet, slag roof, cement floors, elevators, roof ventilators, plumbing, bluestone, ornamental iron work, iron pipe, bronze work, cinder concrete block, Zenithern leaded glass, steel toilet partitions, rubber floors, linoleum floors, iron stairs, hollow steel and kalamein doors, rolled steel sash and skylights, tile and marble work, oil burners, metal lath, electric light, vapor heat. Architect taking bids due June 23rd, 10 A. M.

General Theatre and Stores (2), Southwest Corner Sixty-ninth and Elmwood avenue, Philadelphia, \$160,000. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Green & Altman, Heyman Building, Philadelphia. Brick, steel, limestone, 2 stories and balcony and 1 story, 144x72 feet, steam heat, electric light, slag roof, cement floors, plumbing, bond, ornamental iron. Plans filed.

Stadium (indoor and arena), Hunting Park and Kensington and Torresdale. Architect, E. L. Rothschild, Bankers' Trust Building,

Philadelphia. Owners, care of architect. Seating capacity 25,000, cost \$3,000,000, contains equipment for ice hockey, boxing, wrestling, etc., swimming pool. Plans in progress.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due June 16th. No. 64, copper bonding wire. No. 65, rail bonds, terminal and drift tins. No. 66, axles. No. 73, steel boxes, shapes and plates, due June 23rd. No. 72, cinder and slag filling materials, due June 22nd.

Pennsylvania Railroad Work, C. E. Walsh, Purchasing Agent, 15 North Thirty-second street, Philadelphia. Contracts Nos. 67, 68, 69, 700, 71, miscellaneous type glass. Owners taking bids due June 21st at noon.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Grading, asphalt paving, redress granite block, repaving, grading, paving in Cottman street, repairs to bridges, construction of railroad siding. Certified check, 5 per cent. Owners taking bids due June 16th, 11 A. M. (Standard Time).

Grading and Improving County Line Road, Bustleton avenue to Montgomery County line. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Certified check, 5 per cent. Owners taking bids due June 23rd, 11 A. M. (Standard Time).

Residences (60), North and South sides Miriam road, East of Bridge street, Philadelphia, \$342,000. Architect, private plans. Owners, Miriam Homes Corp., 4844 Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15 feet 11 inches x 39 feet 3 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (35), Sixty-eighth and Chester avenue, Philadelphia, \$147,500. Architect, private plans. Owners, Machin & Cockerill, Sixty-eighth and Cobbs Creek Boulevard, Philadelphia. Brick, 2 stories, 15x29 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Stores (2), East side Verree road, North of Chandler street, \$10,000. Architect, private plans. Owner, Edwin Davis, 7602 Verree road, Philadelphia. Brick, 1 story, 26x36 feet, slag roof, pine floors, electric work. Permit issued.

Residences (2), 8612-14 Erwig avenue, Philadelphia, \$8,000 total. Architect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (60), Maywood, Luzerne and N streets, Philadelphia, \$6,500 each. Architect, private plans. Owners, Gale & Witty, Inc., N

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

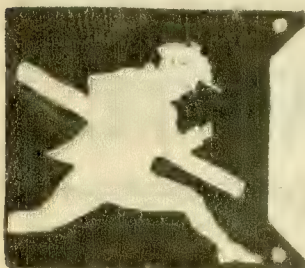
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



and Luzerne streets, Philadelphia. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences (4), 1007-09-11-13 Harrison street, Philadelphia. Architect, private plans. Owner, Harold S. Swope, 5028 Frankford avenue, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, pine floors, electric light. Permit issued.

Residence, 7527 Williams street, Philadelphia, \$5,000. Architect, private plans. Owner, Winfield S. Sibel, 7525 Williams avenue, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (36), North side Belmar, East of Sixty-seventh street, Philadelphia, \$216,000. Architect, private plans. Owner, James F. McHugh, 5144 Walnut street, Philadelphia. Brick, 2 stories, 15x28 feet, 10x9 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Car Shop (add.), Northeast Corner Kensington avenue and Sergeant street, Philadelphia, \$25,000. Architect, private plans. Owners, P. R. T. Co., Eighth and Dauphin streets, Philadelphia. Brick, 2 stories add., 42x84 feet. Permit issued.

Residences (28), North and South sides Seventy-sixth avenue, West of Ogontz avenue, Philadelphia, \$135,800. Architect, private plans. Owner, B. L. Shapiro, Southeast Corner Thirteenth and Cheltenham avenue, Philadelphia. Brick, 2 stories, 16x32 feet, 13x19 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Stores (4), East side Frankford avenue, North of Hartel street, Philadelphia, \$30,000. Architect, private plans. Owner, Coe A. Boardman, 1524 Chestnut street, Philadelphia. Brick, 2 stories, 17x64 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (30), Wellington street, East of Crispin street, \$127,000. Architect, private plans. Owner, S. Roehlis, 1518 North Fifth street, Philadelphia. Brick, 2 stories, 16x28 feet, 12 feet 6 inches x 16 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment House, East side Baynton street, North of Penn, Philadelphia, \$35,000. Architect, private plans. Owner, Albert Greenwood, 4940 North Broad street, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 36x70 feet, slag roof, oak and pine floors, steam heat, electric light, tile work, metal bath, ornamental iron, architectural terra cotta. Permit issued.

Residence, Southwest Corner Almond and Buckius streets, Philadelphia, \$3,800. Architect, private plans. Owner, Antoni Zdanoski, 4460 Livingstone street, Philadelphia. Brick, 2 stories, 16x47 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage and Shop (alts.), 1534-42 Wood street, Philadelphia, \$3,000. Architect, private plans. Owner, Samuel Sehlein, 5701 Ogontz avenue, Philadelphia. General alterations. Permit issued.

Recreation Building, Cheltenham and Ardleigh street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Low bidders: G. H. Evans, 1416 Vine street, Philadel-

phia, \$125,457, \$88,567, add \$650. McCormick-Lenham Co., Broad and Tasker streets, Philadelphia, \$132,000, \$88,485, \$800. Plumbing, Fred Wackenhutt, 2416 Frankford avenue, Philadelphia, \$6,735, \$5,275. Heating, Fred C. Wackenhutt, 2416 Frankford avenue, Philadelphia, \$7,600, \$5,660. Electric, Industrial Elec. Co., 416 N. Orianna street, Philadelphia, \$5,284, \$2,289.

Sewage Disposal Project, Northeast Sewage Disposal Plant. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Low bidders: Fred Snare, 1524 Chestnut street, Philadelphia, \$357,000; George Dobbins, 1020 South Forty-seventh street, Philadelphia, \$363,000. Contract No. 2, Roberts Filter Manufacturing Co., Darby, Pa., \$182,300. Contract No. 3, W. V. Pangborne, 1927 West Montgomery avenue, \$76,880. No. 4, Edward F. Roberts, 2622 Columbia avenue, Philadelphia, \$3,675. No. 5, A. McClintock & Son, 1937 Ridge avenue, Philadelphia, \$5,200.

Miscellaneous School Work, Philadelphia. Low bidders. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Junior High School, Montgomery avenue and Thompson street, Philadelphia, low bidder, William Langhorne, 10 South Eighteenth street, Philadelphia, \$975,500; Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia, \$994,000; plumbing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$43,500; heating, McClintock & Co., 5608 Race street, Philadelphia, \$98,573; electric, Harry S. Mitchell, 1337 McFerran street, Philadelphia, \$69,900; ventilating, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$8,091. Specification No. 166, R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$6,500; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$7,020; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,926; heating, John Borden, 637 North Nineteenth street, Philadelphia, \$3,926. Specification No. 169, Richard Gove Co., 1712 Ludlow street, Philadelphia, \$4,410; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$4,503; Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$4,126; heating, McClintock & Son, 1937 Ridge avenue, Philadelphia, \$962. Specification No. 172, Richard Gove Co., 1712 Ludlow street, Philadelphia, \$5,521; Mitchell & Co., 2125 Race street, Philadelphia, \$5,890; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,356; heating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$487. Specification No. 175, R. R. Gove Co., 1712 Ludlow street, Phil-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

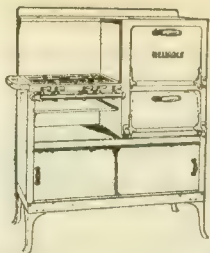
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

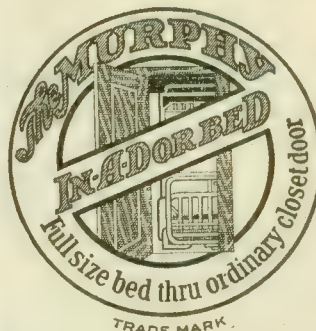
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR E

512 Bulletin Building
Philadelphia
Penna.

Ber
19 W

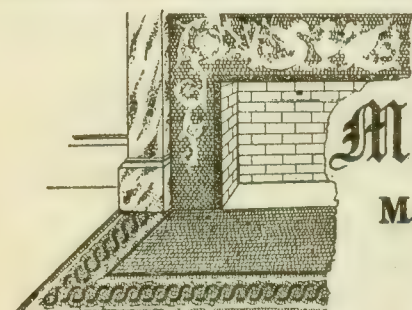
THERE IS ONLY ONE IN-A-D
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

BEDS

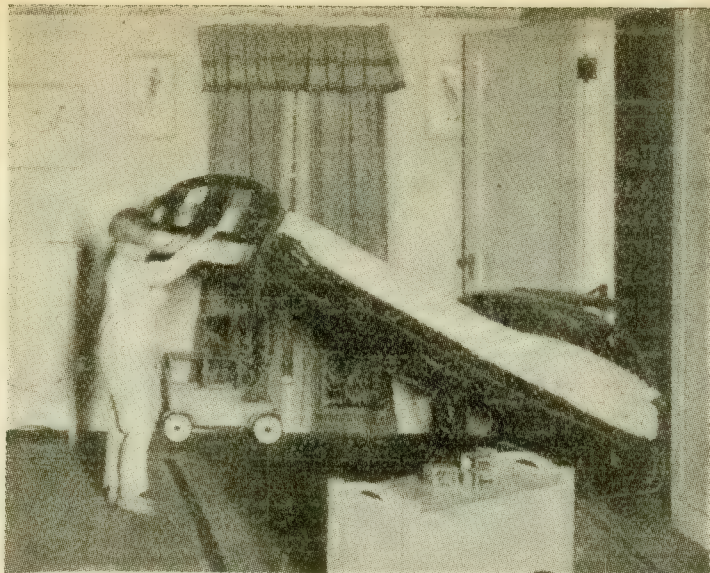
omes
ings

call at our
in kitchen
g boards as
Beds

D CO.

by Building
44th Street
w York

BED



A child can operate the bed

fortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.

d the concrete is spalling
topped by the application

s it prevent moisture
so covers the surface
s flat. It does not
e masonry.



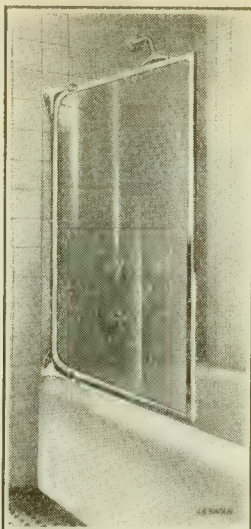
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN

ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Philadelphia, \$14,125; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$16,105; plumbing, F. Waackenhutt, 2416 Frankford avenue, Philadelphia, \$4,835; heating, John

COMPRESSED AIR SERVICE CORP.

**Vaults, Foundations, Rock
or Concrete Demolished by
Compressed Air or Dynamite.**

"We Cut Through Anything"

Air Compressors for Rent

**1015 CHESTNUT STREET
PHILADELPHIA**

DAY NIGHT
WALnut 6488 ALLegheny 8448
RACE 3401

**PILES, FOUNDATIONS
CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
108 Massachusetts Avenue
BOSTON, MASS.

EXPERT BLASTING
J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

**Reinforced Concrete
and Cement Work**
**Get our estimate first on
"THAT CEMENT JOB"**
FREDERICK MASSIAH
S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165 PHILADELPHIA
Keystone Phone—Race 3760

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Borden, 637 North Nineteenth street, Philadelphia, \$880. Specification No. 178, William Langhorne, 10 South Eighteenth street, Philadelphia, \$5,764; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$6,060; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$2,493; heating, Bulman & Garvin, 3917 North Broad street, Philadelphia, \$3,444. Specification No. 181, R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$7,000; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$7,095; plumbing, F. Waackenhutt, 2416 Frankford avenue, Philadelphia, \$3,665; heating, Fred Waackenhutt, 2416 Frankford avenue, Philadelphia, \$7,700. Specification No. 184, Haverstick & Borthwick, Schaff Building, \$5,940; William Langhorne, 10 South Eighteenth street, Philadelphia, \$6,916; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,836; heating, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$411. Specification No. 187, E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$2,566; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$2,700; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$5,466; heating, McClinck & Co., 5608 Race street, Philadelphia, \$845. Specification No. 121, paint, O. B. Cannon, 6542 Beaumont avenue, Philadelphia, \$9,370. Specification No. 124, paint, H. W. Ehringer, Sixtyx and Duncannon streets, \$5,460; Specification No. 146, paint, Therault Contg. Co., 534 East Johnson street, \$9,722. Specification No. 156, heat, F. Waackenhutt, 2416 Frankford avenue, \$2,760. Specification No. 157, paint, H. S. Rau, 1937 Market street, Philadelphia, \$1,690. Specification No. 158, paint, Thomas Fisher, 612 East Woodlawn avenue, \$5,300. Specification No. 159, paint, Schaefer & Lane, Philadelphia, \$1,190. Specification No. 160, paint, Thomas Fisher, 612 East Woodlawn avenue, \$2,000. Specification No. 161, paint, J. J. Murphy, 1935 Ludlow street, Philadelphia, \$4,855. Specification No. 162, James McAlpine & Son., 1713 North Twenty-fourth street, \$12,550. Specification No. 190, paint, O. B. Cannon, 6542 Beaumont avenue, \$2,260. Specification No. 194, H. S. Rau Co., 1835 Market street, Philadelphia, \$4,747. Specification No. 195, Schaefer & Lane, Philadelphia, \$5,923. Specification No. 164, paint, Thomas Fisher, 612 East Woodlawn avenue, \$5,028. Specification No. 165, paint, H. W. Ehringer, Fifth and Duncannon street, \$1,860. Specification No. 196, paint, Frank Boylan, 2015 Cuthbert street, \$4,790.

Improving Frankford Avenue, Bridge to Longshore street, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Low bidders: Union Paving Co., Thirtieth and Locust streets, \$246,268.41.

Subway Construction No. 109, South Broad Sq. to Kater street, Phila. Owner, Dept. of City Transit, 1211 Chestnut street, Philadelphia. Approximately 3,020 feet of subways. Deposit, \$50.00, refunded. Certified check, 5%. Owner taking bids due July 19th, 11 A. M. (S. T.)

Miscellaneous Work, Philadelphia. Dept. of Public Work, Bureau of Engineers, 216 City Hall. Owner taking bids due June 22nd, 11 A. M. Certified check, 5%. Branch sewers, test borings.

Supplies, Philadelphia, E. J. Laffety. 213 City Hall. Owner taking bids due June 22nd, 11 A. M. (S. T.) Certified check, 5%. No. 215, asphalt, sand; No. 103, liquid chlorine sulphate, aluminum salt. H. hardware, J: bolts, nuts, rivets, machine screws, washers, N: pipe and fittings, etc., O: oil, P: paint, oils, varnish, etc., B: iron castings.

Warehouse and Garage, 9th, Montgomery avenue and Berks street, Philadelphia, \$797,000. Architects, Perry, Shaw & Hepburn, Boston, Mass. Owners, U. G. I. Const. Co., Broad and Arch streets, Philadelphia. Brick, 2 stories, 121x61 feet; 61x439 feet, Garage 1 story, 80x320 feet, slag roof, cement floors, electric light. Permit issued.

Service Station, N. W. Corner American and Dock streets, Philadelphia, \$10,000. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 21x15 feet, slag roof, cement floors, electric light. Permit issued.

Garden Terrace Auto Storage Building, between 47th and 48th, Spruce and Pine streets, Phila. Architect, Ralph Bencker, Bellevue Court Building, Phila. Owner, Clarence R. Siegel, Garden Court, Phila. Reinforced concrete, brick, limestone front, granite, 1 story and basement, 180x170 feet; 120x75 feet (heating, plumbing, electric reserved), slag roof, cement floors, mastic waterproofing. Architect taking bids due June 18th, 11 A. M.

FREDERICK MASSIAH RECEIVES AWARD OF CONTRACTS FOR RECENT CEMENT JOBS

The contract for the reinforced concrete footings, foundation walls and floors of the ten-story apartment house at the Southeast Corner Sixty-third and Walnut Streets, Philadelphia, amounting to \$200,000, was awarded to Frederick Massiah, Philadelphia. The architects on this job were Stetler & Deysher, and the owner is L. M. Lifter.

The same concern received the contract for the foundation walls and floors of the six-story Nurses' Home at Sixteenth and Lombard Streets, Philadelphia, for the Douglass Hospital, of which Boyd, Abel & Gugert were the architects.

Frederick Massiah also received the contract for foundation walls and concrete work on the African M. E. Publishing Building at Nineteenth and Pemberton Streets, of which Clyde S. Adams was the architect.

F. S. Elliott has opened an office at Room 45, 1112 Chestnut Street, Philadelphia, representing Sedgwick Machine Works, manufacturers and installers of dumb waiters and elevators. Architects, engineers, contractors and builders desiring information on hand power dumb waiters and elevators will be furnished gladly with catalogues and descriptive matter.

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, Midvale avenue and Oak road, Germantown, Pa. Architect, A. H. Savery, 1309 Locust street, Philadelphia. Owner, Henry E. Palmer, 72 East Penn street, Philadelphia. Stone, 2½ stories, 43x27 feet, wing 18x20 feet, garage, 1 story, 20x20 feet, wood shingle and asbestos shingle roof, hardwood floors, cement work, hot water heat, electric light, tile work. Contract awarded I. A. Dunkelberger, 71 East Herman street, Philadelphia.

Store and Office (alts.), Southwest Corner Ninth and Chestnut streets, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owners, Roberts Realty Co., care of architect. Concrete, cast stone, brick, marble, steel, iron, carpentry and mill work, stair work, plastering, plumbing, electric light, painting, glazing, steam heat, tile, iron grills, metal ceilings, elevators, composition floors, sprinkler system, steel partitions, bond, demolition, iron stairs, maple and oak floors, slag roof, metal covered doors, metal lath, wrought iron work. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Residence (alts. and add.), Bryn Mawr and Woodbine avenue, Philadelphia. Architect, H. L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, William Crowe, on premises. Excavation, stone work, cement and concrete work, carpentry and mill work, oak floors, painting and glazing, tile work, electric light, plumbing, hot water heat. Contract awarded Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Building, 134 West Cheltenham avenue, Philadelphia, \$67,000. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Clarence M. Brown, Land Title Building, Philadelphia. Brick, concrete, steel, 2 stories and basement, slag roof, cement floors, carpentry and mill work, painting, glazing, plumbing, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, hollow metal doors, bond, ornamental iron work, bronze work, dumb waiter. Contract awarded J. Myers Sons Co., 5100 Lancaster avenue, Philadelphia.

School, Ardleigh street, near Vernon street, Philadelphia. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, St. Therese of the Child Jesus, Rev. J. M. Toohey, 316 East Horner street, Mt. Airy, Pa. Stone, 1 story and basement, 78x36 feet, slag roof, cement and pine floors. Contract awarded Farrell-Roth Const. Co., Twenty-first and Walnut streets, Philadelphia.

Building, 921 Chestnut street, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, name withheld. Demolition, excavation, cement work, brick work, limestone, iron work, iron gratings, marble work, plastering, carpentry and mill work, copper sash, tin roof, tile work, electric work, painting, glazing, plumbing, heating alterations. Contract awarded J. W.

Emery, 34 South Sixteenth street, Philadelphia.

Printing Plant, Forty-seventh and Westminster streets, Philadelphia, \$25,000. Architect, private plans. Owners, Penn Lithographing Co., 2312 Fairmount avenue, Philadelphia. Brick, 1 story, 49x170 feet, pine floors, slag roof, electric work, steam heat, carpentry and mill work. Contract awarded George Kessler Contg Co., 1735 North Mervine street, Philadelphia.

Residence (alts. and add.), Stone Wall, 1515 West Springfield avenue, Chestnut Hill, Pa., \$13,500. Architect, Robert M. Reeves, 5539 North Third street, Philadelphia. Owner, C. A. Potter, Jr., on premises. Brick, stucco, 1 story, irregular in size, tin roof, hot air heat, extension, electric light, rolled steel sash, pine floors, excavation, stone work, plumbing, carpentry and mill work (painting and linoleum reserved by owner). Contract awarded Wolverton & Co., 222 East Willow Grove avenue.

Bakery, South side Dicks avenue, West of Sixty-third street, Philadelphia, \$12,000. Architect, F. P. Canavan, 7032 Greenway avenue, Philadelphia. Owners, Plezall Cookie Co., 4856 Lancaster avenue, Philadelphia. Brick, 1 story, 50x120 feet, slag roof, cement floors, plumbing, steam heat, electric light. Contract awarded to Farrell-Roth Co., 123 South Twenty-first street, Philadelphia.

Boiler Plant, Southwest Corner Aramingo and Tioga streets, Philadelphia, \$20,000. Architect, private plans. Owners, Quaker City Iron Works, on premises. Brick, 1 story, 55x80 feet. Contract awarded to Belmont Iron Works, Twenty-second and Washington avenue, Philadelphia.

Bank (alts.), 719 Chestnut street, Philadelphia, \$10,000. Architect, Paul Cret, Otis Building, Philadelphia. Owners, Integrity Trust Co., on premises. General alterations. Contract awarded to George Kessler Cont. Co., 1733 North Mervine street.

Residence and Store (add. and alts.), 671 North Fifty-second street, Philadelphia, \$3,700. Architect, private plans. Owner, A.

Fager, 671 North Fifty-second street, Philadelphia. Brick, 1 story add., 12x12 feet, general alterations. Contract awarded to I. Manin, 5226 Berks street, Philadelphia.

Garage, 6301 Drexel road, Philadelphia, \$2,400. Owner, George A. Suddard, on premises. Brick, 1 story, 8x24 feet, slag roof, cement floors, electric work. Contract awarded to Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Residence (add.), 4941 Monument road, Philadelphia, \$9,000. Architect, private plans. Owner, Mrs. R. Karlkis, on premises. Brick and tile, 2 stories add., 14x17 feet. Contract awarded to W. C. Scull, 6049 Ellsworth street, Philadelphia.

Shop, 3609 K street, Philadelphia, \$4,000. Architect, private plans. Owner, Walter A. Haman, 1918 East Tioga street, Philadelphia. Brick, 1 story, 20x80 feet, slag roof, electric light. Contract awarded to Charles Worth, Glenwood and Pacific avenues, Philadelphia.

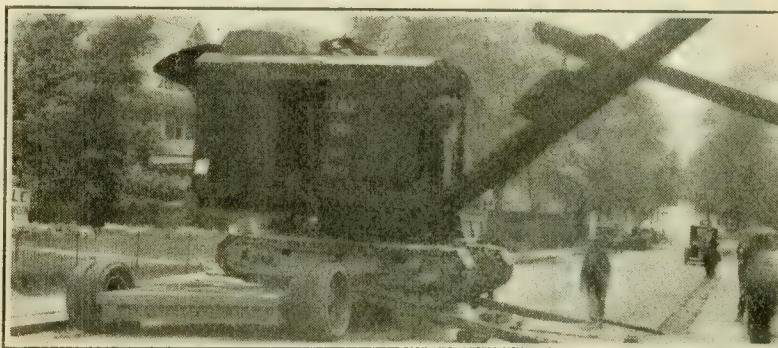
Residence and Store (add.), 1201 Federal street, Philadelphia, \$4,000. Architect, private plans. Owner, W. Francesco, on premises. Brick, 3 stories add., 16x19 feet, slag roof, pine floors. Contract awarded to Tony Cipriano, 2026 South Sixteenth street, Philadelphia.

The Seal-A-Void Co.
WATERPROOFING ENGINEERS
Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Manufacturing Building and Warehouse, Mascher street, South of Montgomery avenue, Philadelphia, \$20,000. Owners, R. B. Dutt Co., 1736 North Mascher street, Philadelphia. Brick, 4 stories, 93x28 feet, 29x14 feet 6 inches, slag roof, cement floors, steam heat, electric light. Contract awarded to A. Raymond Raff Co., 1635 Thompson street, Philadelphia.

Residence and Store (alts.), 5614 Walnut street, Philadelphia, \$2,000. Architect, private plans. Owner, Mrs. G. Brody, on premises. General alterations. Contract awarded to J. Satler, 1408 North Marshall street, Philadelphia.

Residence and Garage, Northeast Corner Oak road and Midvale avenue, Philadelphia, \$22,875. Owner, Henry Palmer, Jr., 34 East Penn street, Philadelphia. Stone, 3 stories, 42

feet 6 inches x 26 feet, garage, 1 story, 20x20 feet, slate roof, hardwood, pine and cement floors, hot water heat, electric light. Contract awarded to I. A. Dunkelberger, 71 Herman street, Philadelphia.

Residence, 1222 Foulkrod street, Philadelphia, \$5,000. Architect, private plans. Owner, Ben Swain, 3311 Sergeant street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors. Contract awarded to W. C. Lebkowe, 1621 West Sergeant street, Philadelphia.

Residence (add.), 2605 East Somerset street, Philadelphia, \$3,200. Architect, private plans. Owner, Umberto Tozzi, 2605 East Somerset street, Philadelphia. Brick, 2 stories add., 17x30 feet. Contract awarded to Peter J. Brown & Sons, 3064 Tulip street, Philadelphia.

Residence and Store (add. and alts.), Northwest Corner Pike and Pulaski avenue, Philadelphia, \$6,700. Owner, H. Lediger, on premises. Brick, 2 stories add., 16x8 feet, general alterations. Contract awarded to Daniel Josephson, 5405 Walnut street, Philadelphia.

Residence, East side Williams street, North of Sharpnaek street, Philadelphia, \$4,500. Architect, private plans. Owner, Edward C. Cramer, Williams avenue and Sharpnaek street, Philadelphia. Brick, 2 stories, 16x33 feet, slag roof, pine floors, electric light. Contract awarded to Charles B. Maguire, 20 South Fifteenth street, Philadelphia.

Garages (12), Northwest Corner Smick and Wright streets, Philadelphia, \$4,200 total. Architect, private plans. Owner, A. Pinter, 4710 Smick street, Philadelphia. Brick, 1 story, 8x18 feet, slag roof, cement floors, electric work. Contract awarded to Charles Egrich, 677 North Fifteenth street, Philadelphia.

Residence, North side Grant avenue, West of Hoff street, Philadelphia, \$4,000. Architect, private plans. Owner, Alfred W. Collins, Hoff street, Bustleton, Philadelphia. Frame, 2 stories, 24x24 feet, pine floors, hot air heat. Contract awarded to Thomas C. Copeland, 1839 Murray street, Philadelphia.

Residence (add. and alts.), 2137 East Bridge street, Philadelphia, \$3,000. Architect, private plans. Owner, C. H. Mackmillin, on premises. Brick, 2 stories add., 12x16 feet, general alterations. Contract awarded to William G. Buckley, Willow Grove, Pa.

Tank, Northwest Corner Thirteenth and Washington avenue, Philadelphia, \$3,600. Architect, private plans. Owners, National Lie-orice Co., on premises. Contract awarded to Pittsburgh-Des Moines Steel Co., 50 Church street, New York.

Residence (add.), Delaware avenue, North of Avondale avenue, \$2,900. Architect, private plans. Owner, Joseph L. Phillips, on premises. Frame, 2 stories add., 15 feet 6

inches x 12 feet. Contract awarded to N. K. Freas Sons, Andalusia, Pa.

Residence and Store (add.), 1621 North Fifty-second street, Philadelphia, \$2,000. Architect, private plans. Owner, Peretz Pollock, 1621 North Fifty-second street, Philadelphia. Brick, 1 story add., 16x12 feet. Contract awarded to David Resnick, 5247 Jefferson street, Philadelphia.

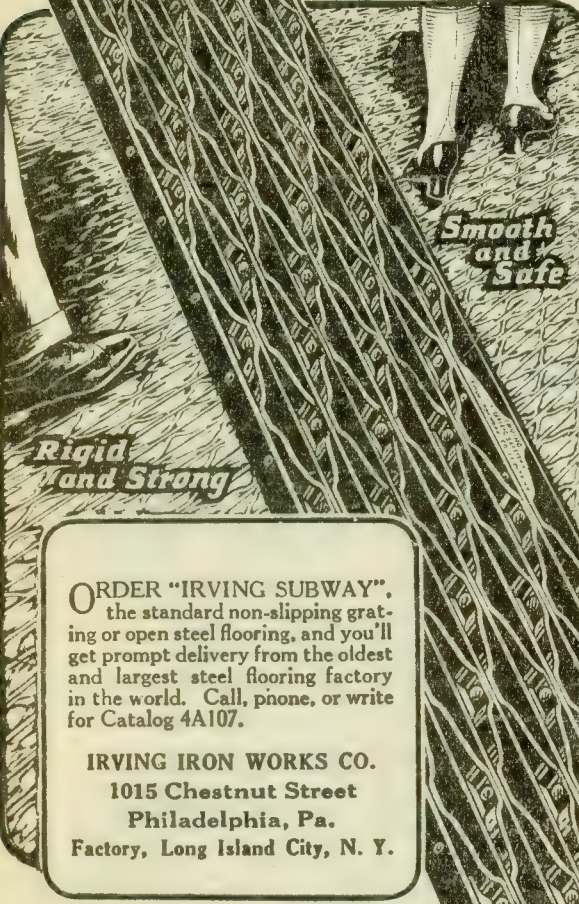
Store and Garage (add. and alts.), 231 North Eleventh street, Philadelphia, \$3,000. Architect, private plans. Owner, J. A. Cooper, 2216 Market street, Philadelphia. Brick, 1 story add., 32x6 feet, general alterations. Contract awarded to Schechtman Brothers, 1924 North Marshall street, Philadelphia.

Factory (alts.), Northeast Corner Eighth and Somerset streets, Philadelphia, \$2,000. Owner, P. H. Wunderle, on premises. General alterations. Contract awarded to Harry Brocklehurst, 512 West Norris street, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded: Owners, Department of Public Works, Bureau of Highways, 232 City Hall. Holmes avenue, Holmes Circle to Willet, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$31,911.50. Cheltenham avenue, Rising Sun avenue to Bingham, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$12,857.98. Colgate, Godfrey to Van Kirk, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$16,218.83. Conshohocken avenue, Belmont to Forty-sixth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$14,611.29. Eastburn avenue, Limekiln pike to Twenty-first street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$11,633.50. Glen Echo road, McCallum to Emlen, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$12,039.96. Godfrey avenue, Tabor to Bingham, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$11,427.70. Phil-Elena, Anderson to Stenton avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$15,599.41. Torresdale avenue, Robbins to Cottman, Union Paving Co., Thirtieth and Locust streets, \$109,594.85. Tabor road, Broad to Sixth street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$40,222.62. Charles street, Brill to Comply, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$25,751.39. F street, Roosevelt Boulevard to Rusecomb, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$13,697.88. Ann street, Frankford, Trenton and Orleans, etc., Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$18,949.91. Eleventh, Girard to Columbia, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$27,380.60. Asphalt paving mixture, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$23,150. Branch sewer, Whitaker, Tampa, Wyoming, Loudon, etc., Leva Brothers, 104 West Gale street, Philadelphia, \$18,995.60. Main sewer, Garland street, Bingham to Tabor, A. De Sandro & Son, 6400 North Fifth street, Philadelphia, \$21,170. Steel pump chamber, Lardner Point Pumping Station, J. J. McHugh, 8982 North Markoe street, Philadelphia, \$8,890. Filter sand, etc., for Torresdale Pumping Station, C. Warner, Franklin Trust Building, Philadelphia, \$9,900.

I make it a rule never to write a grouchy letter—I telephone.

Always-When You Need Gratings—



Smooth and Safe

Rigid and Strong

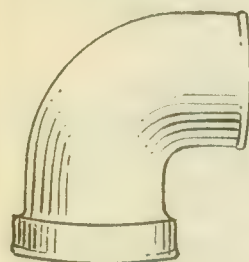
ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

**TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING**

from **William H. Clausen**

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Pennsylvania Construction News

Residences (80), Yeadon, Pa. Architect, private plans. Owners, Shapiro & Reed, 4230 Walnut street, Phila. Frame, stucco, 2 stories, 16x30 feet, shingle and slag roof, hardwood floors, central steamheat, lighting, tile work. Owner ready for sub-bids on 40. Balance will follow in a few weeks.

Parish House, Marietta, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Phila. Owner, St. John's P. E. Church. Marietta, Pa. Architect taking bids.

Church, Sunday School and Parish House, Upper Darby, Pa., \$100,000. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Christ Lutheran Church, Rev. Paul S. Wagner, 416 Springfield avenue, Upper Darby, Pa. Stone. Plans in progress.

Garage, Sixty-ninth and Ashby road, Upper Darby, Pa. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, concrete, 3 stories, 300-car capacity, slag roof, concrete floors. Plans in progress.

Apartment House, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, 3 stories, 50x100 feet, 18 apartments, slag roof, hardwood floors, vapor vacuum heat, electric light, tile work, plumbing. Preliminary plans in progress.

Service Building, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, State College (Pennsylvania), State College, Pa., R. J. Webber. Brick, 1 story, saw-tooth construction roof, steel sash. Contract awarded Austin & Co., Jefferson Building, Philadelphia. Plans in progress.

Residence, Wynnewood, Pa. Architect, Ralph Goldberg, 266 South Fifteenth street, Philadelphia. Owner, H. C. Irvin, care of architect. Brick, hollow tile, stucco, 2½ stories, slate roof, hot water heat, electric light, tile work. Plans in progress.

Store and Residence (add. and alts.), State and Monroe streets, Media, Pa. Architect, Jacob Naschold, 5234 North Second street, Philadelphia. Owner, S. Brody, on premises. Plans completed.

Twin Residences, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Granville Rehrieh, care of architects. Brick, 2½ stories, 22x36 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Steckel Motor Co., Fairview and West streets, Allentown, Pa. Brick, steel, 2 stories, 80x110 feet, concrete floors, roof ventilators, cast stone, floor hardener, hollow metal sash, steam heat, electric work. Revised plans in progress.

Administration Building and Library Building, Upland, Pa. Architect, C. A. Brazier, Crozer Building, Chester, Pa. Owners, Crozer Theological Seminary, Dr. Milton G. Evans, on premises. Work contemplated.

Residence, Fairhill, above Aubrey road, Wynnewood, Pa. Architect, name withheld.

Owner, Walton Gibb, 4650 Locust street, Philadelphia. Work contemplated.

Residence, Montgomeryville, Pa. Owners, E. N. Wright, 3rd, Packard Building, Philadelphia. Work contemplated.

Store and Apartment, Lansdowne, Pa., Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Nacey, 7254 Paschall avenue, Philadelphia. Brick, stone, cast stone, steel, electric light, metal lath, tile work, hot water heat, pine and maple floors, ornamental iron work (roofing reserved). Revised plans in progress. Architect will be ready for general bids in two weeks.

Reinforced Concrete Stand, Villa Nova, Pa. Engineer, P. J. McCormick, 325 Fuller Building, Philadelphia. Owners, Villa Nova College, Villa Nova, Pa. Reinforced concrete, cement block, stucco, 40x840 feet. Plans in progress. Ready for bids about June 20th.

Store Building, 302 Market street, Chester, Pa. Architect, A. Coshland, Crozer Building, Chester, Pa. Owners, Broomall's Department Store, A. W. Propper, manager, on premises. Brick, 3 stories, 122x122 feet. Plans about completed. Architect will be ready for general bids in ten days.

Residence, Thayer road, Swarthmore, Pa. Architect, J. Linard Conaroe, 225 South Sydenham street, Philadelphia. Owner, name withheld. Hollow tile stucco, shingle roof, 2½ stories, hardwood floors, hot water heat, electric light, tile work. Ready for bids in three weeks.

Jewish Convalescent Home, Welsh road above Willow Grove, Pa. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Jewish Convalescent Home, on premises. Brick, steel, concrete, 3 stories and basement, slag roof, cement floors, electric light, kitchen equipment. Ready for bids.

Residences (200), Drexel Hill, Pa. Architect, private plans. Owners, Meagher Const. Co., Drexel Hill, Pa. Stone, hollow tile, stucco, frame, brick, 2½ stories, various sizes, single and twin residences. Plans in progress. Details undecided. Owners will build.

Residence, Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, Albert Behr, 839 Broadway, Bethle-

hem, Pa. Brick, 2½ stories, 28x35 feet, slate roof, pine floors, hot water heat, electric light, tile work. Owner will take bids in the early part of next week.

Bank, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., care of architects. Brick, steel, stone, 1 story, 16x94 feet. Architects ready for bids due July 1st.

Building, Seranton, Pa. Owner, care of Siegel's Realty Co., Connell Building, Seranton, Pa. Brick, steel, 2 stories and basement, 120x110 feet, elevators, sprinkler. Agents ready for general bids.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN
334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Grading and Paving, Prospect Park, Pa. Engineers, Damon & Foster, 6932 Market street, Upper Darby, Pa. Owners, Borough of Prospect Park, A. D. Forrest, Prospect Park, Pa. Certified check, 10 per cent. Ninth avenue, Summitt avenue, Pennsylvania avenue, Maryland avenue, Tenth, Fifteenth and Sixteenth avenues, Carlisle avenue, Folsom avenue, Madison avenue. Owners taking bids due June 27th, 7 P. M. (Standard Time).

School (add.), Hill street, Upland, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Upland Township, Upland, Pa. Brick, steel, 2 stories and basement, 59x85 feet (plumbing, heating, electric separate), asphalt shingle roof, metal lath, rolled steel sash, fire and kalamein doors, bond, iron stairs, ornamental iron work, metal ceilings, roof ventilators. Owners taking bids due June 20th, 8 P. M. (Daylight Saving Time).

Residence, Merion, Pa. Architect and owner, Paul A. Monaghan, 1520 Locust street, Philadelphia. Stone, 2½ stories and basement, irregular in size (plumbing, heating, electric reserved), slate roof, oak and pine floors, metal lath, tile work, bond, ornamental iron work. Architect taking bids due June 17th.

Residence, Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, A. I. Uberoth, 715 Beverly avenue, Bethlehem, Pa. Brick, 2½ stories, 28x42 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, electric refrigeration. Owner taking bids due as soon as possible.

Residence and Garage, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, J. Smylie Herkness, Meadowbrook, Pa. Stone, hot water heat, electric light, metal lath, tile work, slate roof, oak, pine and cement floors, flagstone, ornamental iron work. Architect taking bids due June 16th.

Children's Hospital (second unit), near Elizabethtown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Pennsylvania Department of Health, P. B. Appel, Harrisburg, Pa. General construction, electric, plumbing and heat. Deposit, \$25, refunded. Certified check, \$10,000, bond 50 per cent. Bids due June 28th, 11 A. M. (Standard Time).

Glen-Nor High School (add.), West side South avenue, Glenolden, Pa. Architect, Clarence W. Brazer, Crozer Building, Chester, Pa. Owners, Joint Board of Education of Glenolden and Norwood, Glenolden, Pa. Brick, reinforced concrete, steel, 2 stories and basement, 70x30 feet (plumbing, heating, electric and ventilating separate), slag roof, cement and maple floors, ornamental iron work, hollow tile, safety treads, metal weather strip, metal ceilings, kalamein doors, rolled steel sash. Owners taking new bids due June 17th.

Residence, Norristown, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, James C. Murch, Norristown, Pa. Stone, 2½ stories and basement, 66x28 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Architect taking bids due June 21st.

Engine House, Machine and Forge Shop, Bethlehem, Pa. Architect, Chief engineer, Jersey City, N. J. Owners, Central Railroad of New Jersey, Jersey City, N. J. Brick, steel, 1 story, 125x125 feet, 78x60 feet, slag roof, cement floors, rolled steel sash. Owners taking bids due June 20th.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due June 23rd, at 10 A. M.

Berks County, R-157, Sec. 1-A, Ontelaunee and Maideen Creek Townships, 10,308 feet.

One course reinforced concrete. Certified check, \$3,000.

Berks County, R-381, A-3951, Exeter Township, 3,635 feet. One course reinforced concrete. Certified check, \$1,000.

Berks County, A-3842, Sec. 2-A, Ruscomb Manor Township and Rockland Township, 21,896 feet. One course reinforced concrete. Certified check, \$2,500.

Cambria County, R-276-R, Cresson Township, 1,200 feet. One course reinforced concrete. Certified check, \$1,000.

Columbia County, R-183, A-3365, Montour Township, 8,461 feet. One course reinforced concrete. Certified check, \$2,500.

Dauphin County, R-140, Penbrook Borough, 3,239 feet. One course reinforced concrete. Certified check, \$1,500.

Fayette County, R-117, Sec. 6, A-4366, Dunbar Township, 8,538 feet. One course reinforced concrete. Certified check, \$2,000.

Jefferson County, R-60, Winslow Township, 11,871 feet. One course reinforced concrete. Certified check, \$2,000.

Lancaster County, R-138, Penn and Manheim Townships, 10,466 feet. One course reinforced concrete. Certified check, \$2,000.

Lehigh County, A-4564, Upper Saucon and Lower Milford Townships, 17,211 feet. One course reinforced concrete. Certified check, \$2,500.

Mercer County, R-312, Grove City Borough, 2,400 feet. Bituminous surface course. Certified check, \$500.

Monroe County, A-3760-A, Jackson Township, 10,453 feet. Bituminous surface treated macadam surface course. Certified check, \$1,000.

Schuylkill County, R-161, Sec. 3, East Norwegian Township, St. Clair Borough, 5,749 feet. One course reinforced concrete. Certified check, \$2,000.

Bridges (2), Route 20, over Lycoming Creek, Old Lycoming and Loyalsock Townships, Lycoming County. Plate girder spans, each 70 feet, 24-foot roadway, reinforced concrete, raising to grade of one of existing concrete encased steel girder spans, overall length of 65 feet. Removal of one pier and portion of old structure, building of (2) new piers and (1) abutment, necessary repairs. Certified check, \$2,000.

Bridge, Route 105-5, near Hyner, in Chapman Township, Clinton County, 1,127 feet long, reinforced concrete, (5) spans. Approaches, grading, drainage structures. Certified check, \$6,000.

Owners taking bids due June 24th, at 10 A. M.:

Berks County, R-518, Sec. 2, A-4632, Cumru and Brecknock Townships, 16,466 feet. One course reinforced concrete. Certified check, \$2,500.

Berks County, A-4568-4659-4570-4571, West Reading, Wyomissing and Shillington Boroughs, Cumru Township, 10,485 feet. One course reinforced concrete. Certified check, \$2,000.

Dauphin County, R-1, Middle Paxton Township, 2,826 feet. One course reinforced concrete. Certified check, \$1,000.

Erie County, A-4710, Mill Creek Township, 5,120 feet. One course reinforced concrete or bituminous surface course on concrete base. Certified check, \$1,500. Also 1,700 feet bituminous surface treated macadam surface course.

Franklin County, R-35-36, Chambersburg Borough, 8,454 feet. One course reinforced concrete. Certified check, \$2,000.

Lancaster County, R-215, East Lampeter Township, 22,520 feet. One course reinforced concrete. Certified check, \$3,000.

Lycoming County, R-20, Hepburn Township, 1,934 feet. One course reinforced concrete. Certified check, \$500.

Ferry and Juniata Townships, R-31, Greenwood and Delaware Townships, Millerstown Borough, 22,600 feet. One course reinforced concrete. Certified check, \$2,500.

Schuylkill County, R-162, Sec. 2, Rahn Township, 7,392 feet. One course reinforced concrete. Certified check, \$1,500.

Susquehanna County, R-468, A-4057, Apolaccon Township, Little Meadows Borough, 16,090 feet. One course reinforced concrete. Certified check, \$2,500.

Washington County, R-118, Sec. 1-A, Fallowfield Township, 1,290 feet. One course reinforced concrete. Certified check, \$1,000.

Washington County, A-4274, North Strabane Township, 10,800 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, A-4539, Mt. Pleasant Township, 4,369 feet. One course reinforced concrete. Certified check, \$1,000.

Superstructure, Route 19, Muncy Creek, Shrewsbury and Penn Townships, Lycoming County, Plan S-466, 133 feet long, 21 feet 6 inches wide, reinforced concrete, (1) new abutment on timber piles, repairs and addition to existing abutment to pavement on south approach, removal of pier, abutment and one superstructure and any portion of old structure now in stream. Certified check, \$1,000.

Pennsylvania Contracts Awarded

School, Glenolden, Pa. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Education, Glenolden, Pa. Brick, cut stone, steel, 2 stories and basement, 87x50 feet (plumbing, heating, electric separate), slag roof, maple and cement floors, hollow tile, metal ceilings, dampproofing, metal lath, tile work, kalamein doors, bond, ornamental iron work, area gratings, Duraflex floors, metal partitions. Contract awarded Gorman & Frank, 6912 Market street, Philadelphia, \$34,300.

Shop (alts. and add.), Upper Darby, Pa. Architect, private plans. Owners, Murray Candy Shop, Upper Darby, Pa. Excavation, cement work, stone, brick work, tile and marble work, metal lath, iron work, cut stone, steel, mill work, painting, glazing, electric, plumbing and heating. Contract awarded Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Residence, Coopertown road, Ardmore, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owner, E. B. Cox, care of C. Barney Co., 1428 Walnut street, Philadelphia. Stone, brick, 2½ stories and basement, 62x27 feet, wing 49x45 feet, shingle and slate roof, oak, pine and cement floors, hollow tile, metal weather strip, plumbing, flagstone, hot water heat, electric light, tile and marble work, bond, ornamental iron work, metal lath, iron pipe. Contract awarded H. H. Burrell & Son, 206 South Quince street Philadelphia.

School, North Wales, Pa. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Board of Education, North Wales, Pa. Brick, reinforced concrete, steel, 1 story and basement, 248x78 feet, wing 65x60 feet (plumbing, heating, electric separate), composition roof, pine and cement floors, metal weather strip, dampproofing, cast stone, cinder concrete block, ornamental iron work, iron stairs, wood casement windows, kalamein doors, metal lath, tile work, linoleum floors. Contract awarded Gorman & Frank, 6912 Market street, Philadelphia; plumbing, J. J. O'Donnell, 1303 South Twenty-third street, Philadelphia; heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia; electric,

Whalen-Crosby Co., 140 North Eleventh street, Philadelphia.

Convent, Bethlehem, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Ursula's Roman Catholic Church, Rev. C. B. McGinley, Bethlehem, Pa. Stone, cast stone, brick, metal lath, tile and hardwood floors, slag roof. Contract awarded Benjamin Schrader, Bethlehem, Pa.

Residence, Stewart avenue, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Ed. Shinn, care of architect. Stone, frame, 2½ stories, 25x44 feet, creole-dipt shingle roof and siding, hardwood floors, electric light, hot water heat, metal lath, tile work, garage, 1 story, 10x18 feet, cement work. Contract awarded Julius Nelson, Darby, Pa.

Residence, Bishopthorpe and Delaware avenues, Bethlehem, Pa. Architect, C. F. Spangenberg, 504 Broadway, Bethlehem, Pa. Owner, J. H. Boyer, 821 Bishopthorpe avenue, Bethlehem, Pa. Brick, 2½ stories, 35x40 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to A. Smith, Bethlehem, Pa.

School (add.), Jamison, Warwick Township, Bucks County, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, School Board of Warwick Township, Bucks County, Pa. Stone, steel, 1 story, 34x68 feet (plumbing, electric separate), slag roof, maple floors, painting, glazing, roof ventilators, metal lath, bond, ornamental iron work, metal ceilings. Contracts awarded: General, Stahl & Walton, Willow Grove, Pa.; plumbing and heating, Michael Rufe Estate, Doylestown, Pa.; electric, Jacob Frater, Doylestown, Pa.

Residence (alts.), Center Valley, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, M. Schissler, Center Valley, Pa. General alterations, slate roof, hardwood floors, electric light, tile work, partitions. Contract awarded to Knopf Brothers, Bethlehem, Pa.

Nurses' Home, Wilkes-Barre, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Wyoming Hospital, A. C. Overput, Wilkes-Barre, Pa. Brick, steel, 4 stories, 51x34 feet, composition floors, vapor heat, electric light, steel sash, iron stairs. Contract awarded to Curtis & Co., Hickory street, Wilkes-Barre, Pa.

Bank, Wilkes-Barre, Pa. Architect, W. L. Stoddard, 50 East Forty-first street, New York City. Owners, Miners' Bank, Wilkes-Barre, Penna. Stone, carpentry and mill work, bank fixtures, electric light, plumbing, heating, cement work. Contract awarded J. Curtis Co., Wilkes-Barre, Pa.

Bridges (2), Hatfield Township, Pa. Owners, Township Commissioners, Hatfield Township, Pa. Bridge, West Branch, Neshaminy, Hatfield Township, awarded to E. H. Johnson, Ambler, Pa., \$7,140. Bridge, Fourth Street, Crow Creek, Bridgeton, N., awarded to Knox Mariani, Ardmore, Pa., \$6,755.

Paving, Loyd street, Chester, Pa. Engineer, City Engineer, Chester, Pa. Owners, Board of Commissioners, Chester, Pa. Contract awarded Pennsylvania Paving Co., Chester, Pa.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Chester County, R-142, Section 5, Sadsbury and Valley Townships, one course reinforced concrete. Contract awarded to Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$156,187.48.

You know what propaganda is, don't you? You know, too, how effective a weapon it is, if used properly, don't you? Well, advertising—honest, fair advertising—is the best propaganda we know of. Join the propagandists now! Advertise in the "Builders' Guide."

New Jersey Construction News

Apartment Hotel, Cornwall and Marsdon avenues, Ventnor, N. J. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J. Owner, T. J. Koury, care of architect. Brick, concrete, steel, 7 stories, and bungalow, 50x125 feet, tile roof, hardwood and tile floors, (2) elevators, electric refrigeration, waterproofing and dampproofing, architectural terra cotta, incinerators, iron stairs, tile and marble, metal lath, electric light, oil burners. Plans in progress.

Hotel, Fifth and Cooper streets, Camden, N. J., \$350,000. Architects, Edwards & Green, 312 Market street, Camden, N. J., and G. Howard Crane and John B. Sanger, 345 Madison avenue, New York. Brick, steel, stone, 240 rooms. Plans in progress.

Gas and Comfort Station, Pinewald, N. J. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, R. M. Bigelow, Pinewald, N. J. Brick, 25x40 feet. Preliminary plans in progress.

High School, Mays Landing, N. J. Architect, S. H. Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Hamilton Township Board of Education, A. H. Smith, District Clerk, Mays Landing, N. J. Brick, steel, 3 stories. Plans in progress.

Store Front, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Nevins Brothers, 127 East State street, Trenton, N. J. Tile work, marble floors, bronze work. Plans in progress.

Residence, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, N. J. Goeller, Hamilton and Olden avenues, Trenton, N. J. Brick, 2 stories, 22x35 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Bridge, Black Horse pike, Chews Landing, Big Timber Creek. Owners, Camden County Board of Freeholders, Camden, N. J., and State Highway Department, Trenton, N. J. Reinforced concrete, brick work. Work contemplated.

Vocational School, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Meyer Wessel, Camden, N. J. Ready for bids in one month.

Bank, Bridgeton, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cinnaminson Bank, Riverton, N. J. (Alexander Marecy, president). Ready for bids in a month.

Camden Distribution Garage, Seventeenth and Stevens streets, Camden, N. J. Architects, Public Service Prod. Co., R. J. Pigett, 80 Park avenue, Newark, N. J. Owners, Public Service Electric & Gas Co., Camden, N. J. Brick, steel, 1 story and basement, 140x155 feet, slag roof, cement floors, plumbing, electric light, metal lath, steam heat, rolled steel sash, bond, iron stairs, ornamental iron work, wrought iron pipe, steel partitions. Engineers taking bids due June 22nd, 4:30 P. M.

Battery B Armory Building, Lawrenceville, N. J. Architects, Division of Architecture and Construction, Charles N. Leatham, Trenton, N. J. Owners, Department of Institutions and Agencies, William J. Ellis, Commissioner, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, 1 story, 200x100 feet, 2 wings, 156x28 feet, 2 stories and basement, 92x25 feet, wing 26x27 feet, asbestos built-up and asphalt roof, cement and maple floors, hollow tile, roof ventilators, eaststone, blue stone, ornamental iron, casement windows, bond, steel sash, tile and marble, metal lath, membrane waterproofing, integral waterproofing, steel lockers, limestone, rubble stone work.

Certified check, 5 per cent. Owners taking bids due June 16th at 1 P. M. (Eastern Standard Time). Plans and specifications may be seen at 826 Perry Building, Philadelphia.

Chapel, Haddon avenue, near Euclid street, Camden, N. J. Architect, Emil Perrot, 1211 Arch street, Philadelphia. Owners, Monastery of Perpetual Rosary, Mother M. Louis Bertram. Stone, slate roof. Architect taking bids due June 20th at noon.

School and Gym, Cape May, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, Cape May, E. J. Jerrell, secretary. Brick, hollow tile, stucco, 2 and 1 stories and basement, 35x85 feet, 60x60 feet. Owners taking bids due June 22nd.

Store and Hotel (add. and alts.), 24 North Kentucky avenue, Atlantic City, N. J. Architect, A. L. Brooks, Humphrys Building, Atlantic City, N. J. Owner, S. Hyman, care of architect. Brick, steel, stucco, 2 stories, 33x60 feet, slag roof, pine floors, hot water heat, electric light, metal lath, tile work. Architect taking bids due June 17th.

Residence, Princeton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Carl Biglow, care of architects. Brick, steel, 2½ stories, 30x120 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Architects taking bids due June 21st.

Church, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, All Saints' Church, care of architects. Stone, steel, 1 story and basement, 45x88 feet, slate roof, hardwood floors, hollow tile (heating, plumbing and electric reserved), metal lath, ornamental iron. Architects taking bids due June 20th.

School Building, Pennsgrove, N. J. Architects, C. R. Peddle and S. Wasserman, 236 South Fourth street, Philadelphia. Owners, School Board, Pennsgrove, N. J. Cement block, stucco, 1 story and basement, 60x140 feet, slag roof, hot water heat, pine floors, electric light. Ready for bids.

Miscellaneous Work, various schools, Camden, N. J. Owners, Board of Education, Meyer Wessel, chairman, Camden, N. J. Painting, slag and tin roof, cast iron sectional boiler, 10,400 feet steam rating, gauge safety valve, etc., cement block fences. Certified check, 25 per cent. Owners taking bids due June 16th, 2 P. M.

Residences (2), 2813-15 North Congress road, Camden, N. J., \$6,000. Architect, private plans. Owner, Eugene Brunner, 2760 North Congress road, Camden, N. J. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

School Building No. 2 (add.), Woodbury, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Education, Woodbury, N. J. Low bidders: George Bachman & Son, Camden, N. J., \$44,199; J. T. Allen, Woodbury, N. J., \$46,686.78; heating, S. W. Peters, Woodbury, N. J., \$5,700; plumbing, S. W. Peters, Woodbury, N. J., \$2,090; electric, Franks & Sweeney, Camden, N. J., \$1,125.

Church, Eighth and Woodland avenue, Camden, N. J. Architect, George Savage, Wither- spoon Building, Philadelphia. Owners, Woodland Presbyterian Church, Camden, N. J. Brick, 1 story and basement, 40x80 feet, slate roof, pine floors, steam heat, electric light, iron work. Low bidder: J. D. Lawrence, Westville, N. J., \$30,000.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Bridge over Salem Creek at Woodstown, at M. P. 8.7 on Route 6, County of Salem. Structural steel, concrete, 51-foot span, 40-foot clear roadway, (2) 6-foot sidewalks. Certified check, 10 per cent. Deposit, \$10.

Owners taking bids due June 27th at 11 A. M. (Eastern Standard Time).

Sidewalks, Curbs and Gutters, Mt. Ephraim, N. J. Engineers, Remington & Vosburg, 509 Cooper street, Camden, N. J. Owner, Borough Council, R. D. Kershaw, Clerk, Mt. Ephraim, N. J. Deposit, \$15.00, refund \$5.00. check, 10%, bond, 100%. Owner taking bids due June 13th, 8 P. M. (D. S. T.) approximately. 125,000 square feet concrete curb, 31,000 lin. feet concrete curbs and gutters, 1,500 square yards 8-inch reinforced gutters, 2 city inlets, No. 2, 60 lineal feet 24 foot terra cotta sewer pipe.

Pointing, Camden, N. J. Owner, Board of Education, Meyer Wessel, Camden N. J. Pointing brick work. Owner taking bids due June 16th, 2 P. M. (D. S. T.)

Fence, Blaine School, 23rd and Wayne sts., Camden, N. J. Owner, Board of Education, Meyer Wessel, Camden, N. J. Furnish and erecting 6 foot fence, gates, etc., galvanized wire, chain link. Certified check, \$25.00 Owner taking bids due June 16th, 2 P. M. (D. S. T.)

New Jersey Contracts Awarded

112th Field Artillery Armory Building, Atlantic City, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, concrete, limestone, granite, steel, 2 stories, 269x143 feet, asbestos built-up roof, cement and pine floors, metal lath, tile, steel sash, kalamein doors, bond, iron stairs, ornamental iron, steel lockers, casement windows, wood piling, metal window guards. Contract awarded to Wilbert Beaumont, 1 South Tennessee avenue, Atlantic City, N. J., \$169,000; electric, Gruen Elec. Co., 128 North Maine avenue, Atlantic City, \$5,100; plumbing, William J. Crane, 322 Atlantic avenue, Atlantic City, \$9,275; heating, David Moore, 1207 Commerce avenue, Atlantic City, \$8,969.

Infirmiry Building (add.), New Jersey Tuberculosis Sanatorium, Glen Gardner, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, concrete, limestone, steel, 3 stories and basement, 34x77 feet, tin and copper roof, composition and cement floors, hollow tile, waterproofing, bluestone, metal lath, tile, marble, kalamein and hollow metal doors. Contract awarded to Van Doren & Emens, New Brunswick, N. J., \$162,000.

Residence, Haddonfield, N. J. Architect, Jacob C. Nashold, 4234 North Second street, Philadelphia. Owner, C. P. Schoerint, Haddonfield, N. J. Brick, 2½ stories, slag roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded H. B. Hastings, Camden, N. J.

Mercerville School (add.), Hamilton Township, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood School, Trenton, N. J. Brick, 2 stories, 12x63 feet, tin roof, cement floors, roof ventilators, waterproofing, fire escape, metal partitions. Contract awarded to George Lincoln, 167 Brunswick avenue, Trenton, N. J., \$6,787; heating and plumbing, Joseph B. Reeve, Hamilton Square, N. J., heating \$1,072.42, plumbing \$435; electric, George Blair, 311 Ardmore avenue, Trenton, N. J., \$180.

Bungalow, Slackwood, N. J. Architect, P. L. Fowler Co., Fitzcharles Building, Trenton, N. J. Owner, J. R. Smith, care of architects. Brick, frame, 1½ stories, 41x23 feet, slate

roof, oak floors (heating, plumbing and electric separate). Contract awarded to R. H. Steel, Trenton, N. J.

Apartment House, East Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Lester White, care of architect. Brick, cinder block, 2 stories, 32x54 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to William G. Mummaw, 301 Morse street, Camden, N. J.

Apartment Building, Twenty-eighth and Westfield avenue, Camden, N. J. Architect, I. Demehick, 1703 Chestnut street, Philadelphia. Owners, Better Apartment Association, A. O'Malley, 53 East Maple avenue, Merchantville, N. J. Brick, 3 stories, hot water heat, electric light, hardwood floors, tile work. Contract awarded W. G. Mummaw, 301 Morse street, Camden, N. J.

Residences (7), 2737-49 Saunders street, Camden, N. J., \$24,500. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, Teitelman & Cott, care of architect. Brick and block, 2 stories, 13 feet 11 inches x 41 feet, slag roof, pine floors, warm air heat, electric light. Contract awarded to Louigi Leggi, 215 Hooker street, Riverside, N. J.

Residence (add. and alts.), 232 Line street, Camden, N. J., \$2,800. Architect, private plans. Owner, Bernardo Guerrieri, on premises. Block, 2 story add., 16 feet 6 inches x 16 feet 6 inches, slag roof, raising roof, open stairway, general alterations. Contract awarded to Tony Morabito, 810 South Third street, Camden, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Trenton, N. J. Route 17, North, Section No. 2, Carstadt-Hasvrouck Heights. Contract awarded to George M. Brewster & Son, Bogota, N. J., \$148,352.65. Sec. 14-B, Route 1 Extension, Newark, Contract No. 6. Contract awarded to Clemente Cont. Co., 101 Park avenue, New York, \$213,500.

Miscellaneous Construction News

Hospital, Cumberland, Md., \$500,000. Architects, Zantlinger, Borie & Medary, Otis Building, Philadelphia. Owners, West Maryland Hospital, William Brown, superintendent, Cumberland, Md. Brick, steel, concrete, stone, 6 stories. Plans in progress.

Residence and Garage, Wilmington, Del. Architects, De Armond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, C. A. Higgins, Wilmington, Del. Stone, frame, 2½ stories, 39x86 feet, shingle roof, hardwood floors, vapor heat, electric light, tile work, steel casement. Architects will build.

Manufacturing Building, Harrington, Del. Architects, Lockwood Greene Co., 100 E. 42nd street, New York. Owners, Sol Edman & Son, Harrington, Del. Reinforced concrete, brick, steel, 1 story, 170x80 feet, asphalt roof, cement and maple floors, plumbing, wrought iron pipe, rolled steel sash, fire doors, bond. Architect taking revised bids due as soon as possible.

Hotel, Corning, N. Y. Architects, Thomas, Martin & Kirkpatrick, 220 S. 16th street, Phila. Owner, American Hotel Corp., 25 W. 45th street, New York. Plans in progress, too early for details.

That plan of the king in olden times who killed the messenger who brought him bad news has my approval. Blessed are those who bring glad tidings! If you cannot write a good letter—don't!—Elbert Hubbard.

Miscellaneous Contracts Awarded

Residence and Garage, New Castle, Del. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, F. W. Pickard, Wilmington, Del. Stone, 2½ stories and basement, irregular in size, slate roof, pine, oak and cement floors, plumbing, flagstone, wrought iron pipe, ornamental iron work, casement windows, bond, iron pipe, rolled steel sash, tile work, metal lath, electric light. Contract awarded W. D. Haddock & Son, Wilmington, Del.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

WE ASK YOU

Isn't it funny?
THAT A MAN WHO CONSIDERS
HIMSELF A BUSINESS MAN
Will get up in the morning
From an advertised mattress,
And put on advertised underwear,
Advertised hose, shirt, collar, tie and shoes.
Seat himself at a table and
Eat advertised breakfast food,
Drink advertised coffee or substitute,
Put on an advertised hat,
Light an advertised cigar,
Go to his place of business and
TURN DOWN ADVERTISING ON THE
GROUND THAT ADVERTISING DOESN'T
PAY!

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.

Man and the giraffe are the only two living things that can't swim naturally. Throw a day-old kitten into the Mississippi and it will paddle its way to shore. The giraffe can't swim because he's not built that way. Man can't swim, just because he is afraid. The chances are that the reason you are not in the swim—financially or otherwise—is because you are afraid.—Glen Buck.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.

THE VAN SCIVER CORPORATION

The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING

Libman, S. 831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co. 617 Filbert St., Phila.

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Phila. Building Material Co. 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRANITE

Architectural Cast Cut Stone Co. Westmont, N. J.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard. 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

Lee T. Ward Co. 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS.

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

After a Fire

you'll find no satisfaction in figuring up the amount of insurance you should have had.

But there's a lot of satisfaction in knowing that your property as it stands today is fully covered by dependable fire insurance.

Our policies are backed by a 135 year record of obligations promptly met. Your agent or broker can get you a North America policy.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

BUDD MFG. CO. PLANT
PHILADELPHIA, PA.

BALLINGER & PERROT, ARCHITECTS
WARREN MOORE & CO., CONTRACTORS



Concrete Pits Waterproofed With "ANTI-HYDRO" are Always Dry

The concrete pits in this building, as well as the tunnel under the railroad, are waterproofed with "ANTI-HYDRO". Both pits and tunnels are always dry.

"ANTI-HYDRO" permanently waterproofs concrete against any head of water. It also hardens concrete and makes it acid, alkali and oil resisting all in one operation. Easy and economical to use, because it is a liquid integral compound, which mixes readily with the gauging water without the aid of skilled labor.

Some "ANTI-HYDRO" jobs are 23 years old, yet they look like new. That's because "ANTI-HYDRO" results are permanent. Use it on your next job for guaranteed satisfaction.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH
Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 25

June 22, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

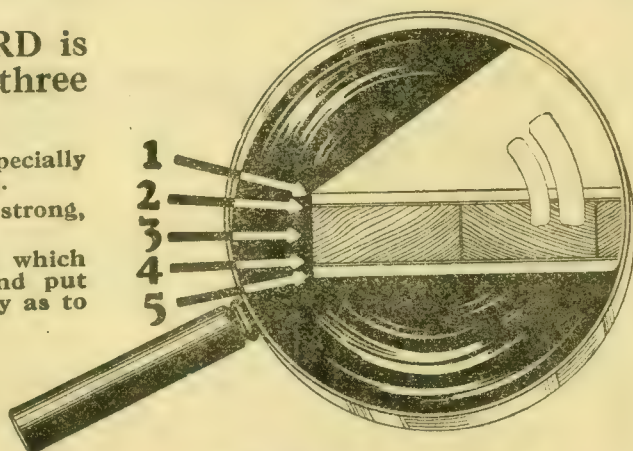
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Price—

A stumbling block all concerns fall
over when they try to give first-class
material, real honest workmanship,
together with efficient service.

On your next ELECTRICAL JOB
think that over.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

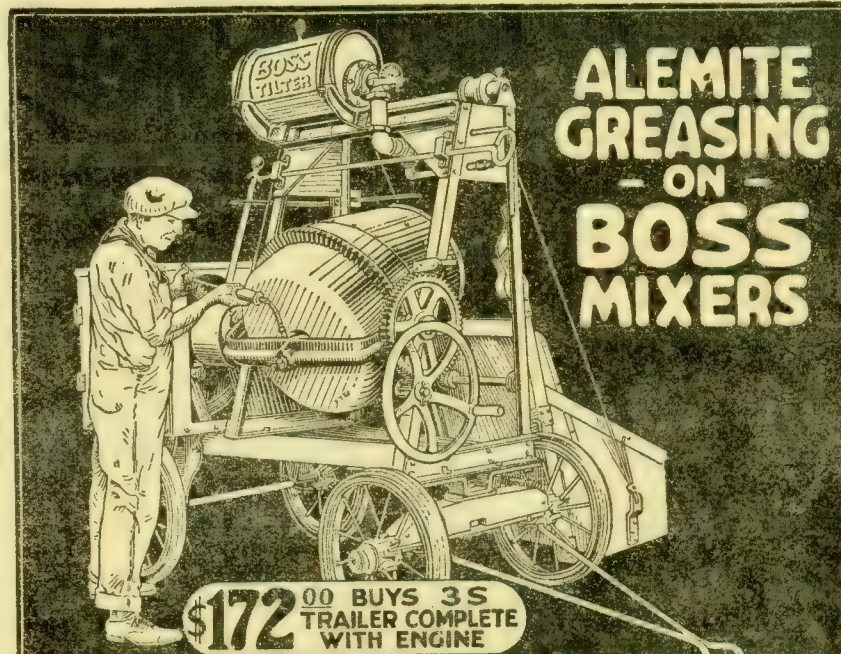
West Jersey Sand and Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982



ONE BAG TILTER NOW AT HALF BAG PRICE

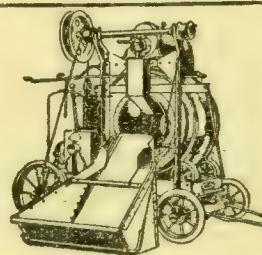
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

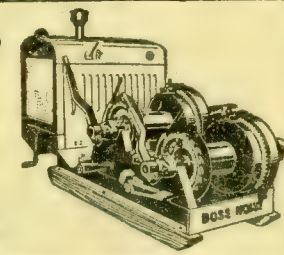
ING

\$135

UP

FORDSON

WINCHES



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL SASH

For All Types of Buildings
Factories
Warehouses
Foundries
Garages
Banks
Office Buildings
Residences
Schools

Large Selection of Warehouse Sizes

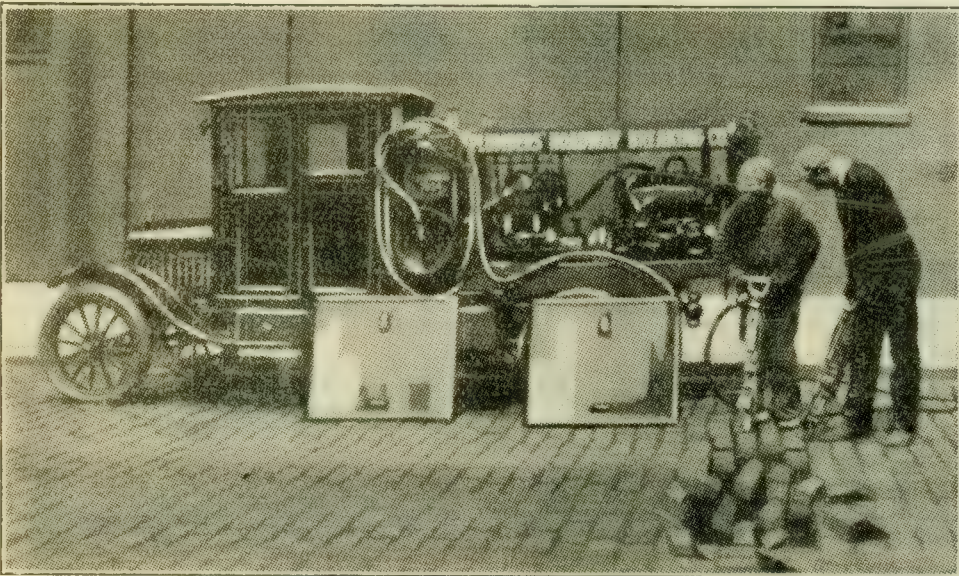
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

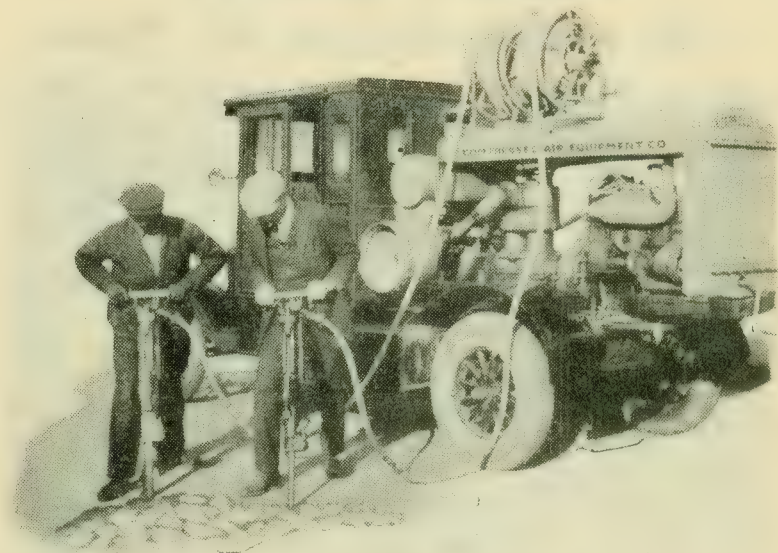
PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

AIR COMPRESSORS FOR RENT



OUR SPECIALTIES

Vaults, Foundations, Rock or Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

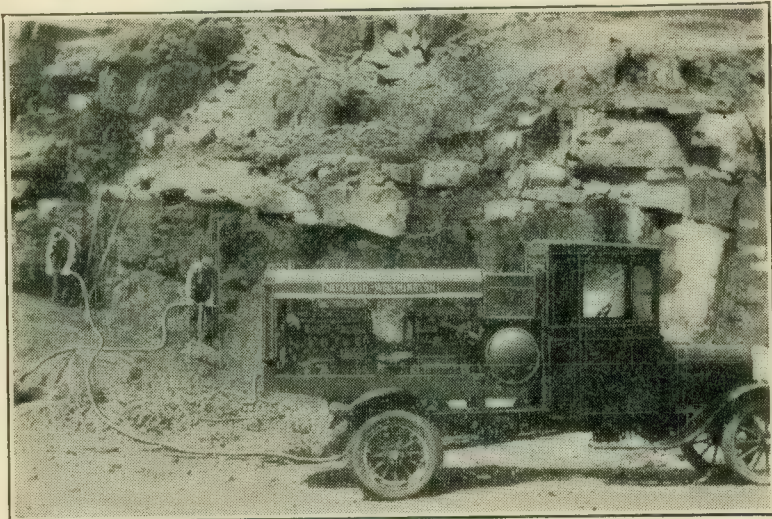
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 25

June 22, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment Bldg., 6022 Larchwood Ave., Phila. Architects, A. Coshland and R. Beard, Chester, Pa. Owner, name withheld. Brick, 3 stories, 60x112 feet, hardwood floors, hot water heat, electric light, oil burner, tile work. Ready for general bids in two weeks.

Dispensary Building, near Broad and Fitzwater streets, Philadelphia, \$150,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Eaglesville Hospital and Sanatorium for Consumptives, J. H. Louchheim, Franklin Bank Building, Philadelphia. Brick, stone, 50x95 feet. Plans in progress.

Apartment House, 251-57 South Seventeenth street, Philadelphia. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Charles J. McIlvaine, Jr., Otis Building, Philadelphia. Brick. Plans in progress.

Sales and Service Building (add.), Broad and Thompson streets, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Roberts Nash Co., on premises. Reinforced concrete, brick, steel, 5 stories. Plans in progress.

Parental School, Byberry, Philadelphia, \$500,000. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick. Plans in progress.

Theatre, 711-23 South Broad street, Philadelphia. Owners, Keystone Amusement Co., M. Wax, 1524 South street, Philadelphia.

Brick, steel, concrete, 2500 seating capacity. Ready for bids in about one month.

Lawndale Theatre, Stores and Apartments, Rising Sun and Oxford Circle and Cottman street, Philadelphia, \$460,000. Associate architects, The Ballinger Co. and W. E. Groben, Twelfth and Chestnut streets. Owners, Oxford Theatre Corporation, care of T. Kirmse, 6500 Rising Sun avenue. Brick, cut stone, steel, architectural terra cotta, 1 and 2 stories and basement, 138x180 feet, gypsum and slag roof, composition, cement and maple floors, hollow tile, safety treads, roof ventilators, metal ceilings, waterproofing and damp-proofing, bluestone, wall finish, metal lath, tile and marble and terrazzo work, rolled steel sash and skylights, fire doors, rubber tile floors, steel partitions, area gratings. Owners will build.

Hospital (alts. and add.), Outpatients' Building, Fifth and Reed streets, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street. Owners, Mt. Sinai Hospital, on premises. Reinforced concrete, brick, steel, granite, limestone, 10 stories and basement, 5 stories and basement, 72x66 feet, 40x70 feet, slag, promenade tile roof, cement floors, hollow tile, roof ventilators, membrane waterproofing, architectural terra cotta, linoleum floors, soundproofing, mail chute, ornamental iron work, casement windows, iron stairs, bond, kalamein and hollow metal doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, steel

furniture, metal lockers, medicine cabinets, metal instrument cabinets, lead lining, clothes chutes, gypsum roof (sterilizers, refrigerators, elevators, kitchen equipment, screens, electric, plumbing, heating, ventilating separate). Architects taking bids due June 27th.

Restaurant (alts.), 116 South Thirteenth street, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Boothby's, on premises. Bids due June 25th.

Manufacturing Building, 232 North Eleventh street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Manufacturers' Exchange Realty Co., care of William Goldstein Co., 1415 Locust street. Reinforced concrete, 16 stories and basement, elevators, electric light. Plans in progress. Architect will be ready for bids in three weeks.

Store (alts.), 921 Market street, Philadelphia. Architects, Construction Department, 1107 Broadway, New York City. Owners, J. G. McGorry Co., 1107 Broadway, New York. Brick, steel, 3 stories and basement, 22x200 feet, slag roof, maple, cement and linoleum floors, sheet metal work, metal lath, tile work, bond, ornamental iron work, granite work. Architects taking bids due June 30th.

City Hall Annex, Juniper and Filbert streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Property, Bureau of Public Works, City Hall. Low bidders: F. W.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

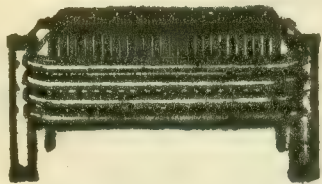
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR

**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

**PLUMBING AND HEATING
SUPPLIES**

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

**STRUCTURAL STEEL
ORNAMENTAL IRON
FIRE ESCAPES
VAULT LIGHTS**

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Mark Contg. Co., Commercial Trust Building, Philadelphia, \$1,094,800; Irwin & Leighton, 126 North Twelfth street, Philadelphia, \$1,129,000; plumbing, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$28,042; heating, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$106,606; electric, Ellis McCandless, 2318 Sansom street, Philadelphia, \$77,490.

Residences (67), North and South sides Godfrey avenue, West of Second street, Philadelphia. Architect, private plans. Owners, James A. Nolen & Sons, 61 East Church lane, Philadelphia. Brick, 2 stories, 16x28 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (13), 1501-23 East Alcott street, Philadelphia, \$52,400. Architect, private plans. Owner, Martin P. Newell, 3032 Aramingo avenue, Philadelphia. Brick, 2 stories, 17 feet 6 inches x 35 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), Sixty-seventh and Cobb's Creek Parkway, Philadelphia, \$49,400. Architect, private plans. Owners, Machin & Cockerill, Inc., Sixty-eighth and Cobb's Creek Parkway. Brick, 2 stories, 16x29 feet, 13x12 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Permit issued.

Apartment House, Northwest Corner Pike and Smedley streets, Philadelphia, \$10,000. Architect, private plans. Owners, Goldstein Brothers, 1959 North Fifty-second street, Philadelphia. Brick, 3 stories, 19x65 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, 4833 Worth street, Philadelphia, \$4,000. Architect, private plans. Owner, Ben Paszuezzo, 4533 Worth street, Philadelphia. Brick, 1 story, 40x33 feet, slag roof, cement floors. Permit issued.

Residences (34), North side Sparks street, West of Mascher street, \$164,600. Architect, private plans. Owner, Thomas J. Kelly, 2028 Sixty-sixth avenue, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 27 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (12), 3422-46 Queen street, Philadelphia, \$62,400. **Residences (4)**, 3300-06 Tilden street, Philadelphia, \$22,000. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, (12) 16x27 feet, 10x9 feet, (4) 20x36 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence (add.) and Garage, 5055 Portico street, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. James G. Christopher, on premises. Brick, 2 stories, 15x8 feet add., garage, concrete block, 1 story, 21 feet 4 inches x 18 feet. Permit issued.

age, concrete block, 1 story, 21 feet 4 inches x 18 feet. Permit issued.

Locker Room, Penrose Ferry and Schuylkill River, Philadelphia, \$2,000. Architect, private plans. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Concrete, 1 story, 25 feet 9 inches x 21 feet. Permit issued.

Residences (29), 3200-40 Willard street and Thirty-third and Hilton streets, Philadelphia, \$98,150. Architect, private plans. Owner, Fred S. Park, 3229 Allegheny avenue, Philadelphia. Brick, 2 stories, 15x35 feet, and 2 stories, 15x28 feet, 11x8 feet, slag roof, hot water heat, electric light. Permit issued.

Store, Northeast Corner Chew and Phil-Elena streets, Philadelphia, \$5,000. Architect, private plans. Owner, A. Leibovvitz, 1112 Franklin Trust Building, Philadelphia. Brick, 1 story, 36 feet 6 inches x 60 feet, slag roof, electric work. Permit issued.

Residence, 7357 Epsilon street, Philadelphia, \$3,500. Architect, private plans. Owner, Lewis Salerno, 2521 South Seventy-eighth street, Philadelphia. Brick, 1 story, 16x47 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (21), M street, North of Lycoming street, Philadelphia, \$63,000. Architect, private plans. Owner, Nathan Epstein, 247 East Loudon street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (3), West side Rising Sun avenue, North of Clarkson avenue, \$22,500. **Apartment House**, Rising Sun and Clarkson avenues, Philadelphia, \$11,000. Owners, P. & G. J. Herrmann, 430 Duncannon avenue, Philadelphia. Brick, 2 stories, 16x42 feet, 12x22 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work, size of apartment, 2 stories, 39 feet 10 inches x 63 feet 6 inches. Permit issued.

Apartment House (add. and alts.), 1211 South Forty-seventh street, Philadelphia, \$5,000. Architect, private plans. Owner, J. Blumenthal, 5831 Hoffman street, Philadelphia. Brick, 3 stories add., 24 feet 6 inches x 28 feet 6 inches, general alterations. Permit issued.

Apartments (9), Fifty-second and Pennsgrove streets, Philadelphia, \$45,000 each. Architect, private plans. Owner, Thomas J. Whelan, Fifty-second and Wyalusing avenue, Philadelphia. Brick, 3 stories, (1) 20x75 feet, (1) 20x83 feet, (7) 20x41 feet, 14x33 feet, slag roof, hardwood and pine floors, electric work. Permit issued.

Residences and Stores (4), West side Frankford avenue, North of Aldine street,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

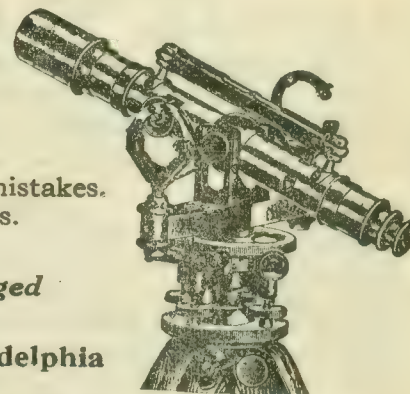
on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.
Examine our complete line of Rebuilt Transits and Levels.
Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years



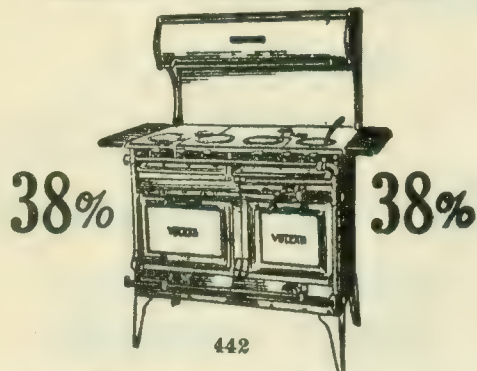
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

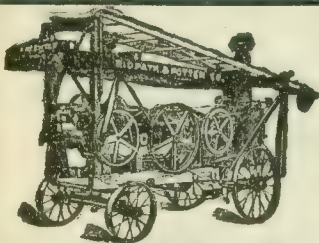
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

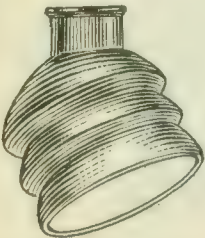
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

\$34,000. Architect, private plans. Owner, Fred E. Rowe, Frankford avenue and Cottman street, Philadelphia. Brick, 2 stories, 16x34 feet, 12x20 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, Northwest Corner Stenton avenue and Durham street, Philadelphia, \$3,500. Architect, private plans. Owner, Frank Cors, Ogontz and Limekiln pike, Philadelphia. Brick, 2 stories, 16x46 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence (alts.), 4927 Chestnut Street, Phila., \$2,000. Architects, Hoffman, Henon Co., Finance Bldg., Phila. Owner, D. Cardinal Dougherty, 18th and Race Sts., Phila. General alterations. Permit issued. Co., Finance Bldg., Phila.

Residences (13), Osage Ave. W. of 47th St., Phila., \$100,000. Architect, private plans. Owner, Hugh C. Forbes, 5400 Diamond St., Phila. Brick, 2 stories 16 by 31 feet 10 inches, 12 feet 6 inches by 15 feet 2 inches, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Manufacturing Building, 5th and Noble Sts., Phila. Architects, Harris & Richards, Drexel Building, Phila. Owner, Walter P. Miller, 452 York Avenue, Phila. Architects taking bids due June 29th.

Miscellaneous Work. Low bidders: Owner, Dept. of Public Work, Bureau of Highways, 216 City Hall. Rosalie St., Aramingo St. to Ditman St., Dewees Bros., Shelburn and Vincent Sts., \$1,234.00. Tipen Ave., Oxford to

Summedale, T. V. Monaghan, 2000 Sansom St., Phila., 014,810.80. Alcott St., Colgate to Bingham, Eastern Asphalt Co., Penna. Bldg., Phila., \$4,298.12. Anchor St. and others, Municipal Paving Co., 2nd and Winghooking Sts., \$11,466.90. Euclid St., Georges Lane to 52nd St., Eastern Asphalt Co., Penna. Bldg., Phila., \$7,643.83. Harley St., 62nd to 63rd Sts., Union Paving Co., 30th and Locust Sts., \$5,927.35. Large St., Wakeling to Dyre St., Maek Paving Co., Nicetown Lane and C St., \$5,951.32. Morse St. and others, Eastern Asphalt Co., Penna. Bldg., \$13,434.35. Pearce St., Orthodox St. to Duncan St., Maek Const. Co., Nicetown Lane and C St., \$6,566. Sansom St., 55th to 56th Sts., Union Paving Co., 30th and Locust Sts., \$5,151.75. St. Bernard St., Spruce to Pine Sts., Barber Asphalt Co., 1600 Arch St., \$3,446.34. Theodore St., 69th to 70th Sts., Barber Asphalt Co., 1600 Arch St., \$3,731.90. 72nd, Yocum to Doodland, Barber Asphalt Co., 1600 Arch St., \$3,468.80. Emery St., Buckius to Ash, Municipal Const. Co., 2nd and Winghooking Sts., \$3,418.61. Poplar St., 20th to 24th, Barber Asphalt Co., 1600 Arch St., Phila., \$23,877.81. 24th St., Brown to Poplar, Barber Asphalt Co., 1600 Arch St., Phila., \$8,449.30. Berks St., Delaware to Beach St., Fazzola & Marano, 739 S. 7th St., \$2,215.20. Gurney and Indiana Sts., Union Paving Co., 30th and Locust Sts., Phila., \$52,322.75. Race St., Broad to Carlisle, J. Aechoine, 755 S. Warnock St., \$3,399.15. Cottman, Sackett to Roosevelt Blvd., Union Paving Co., 30th and Locust Sts., Phila., \$33,487.05.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Recreation Building, Cheltenham and Ardleigh street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Welfare, Bureau of Recreation. Brick, cut stone, steel, 2 stories and 1 story and basement, 122x44 feet, wing 81x44 feet (plumbing, heating, electric separate), 43x62 feet, irregular, slag roof, tin roof, cement and maple floors, metal lath, irregular, slag roof, tin roof, cement and maple floors, metal lath, roof ventilators, metal window guards, metal ceilings, kalamein doors, bond, ornamental iron work, area gratings, granite, limestone, steel lockers, steel partitions. Contracts awarded on Item B basis. McCormick-Lenham, Broad and Tasker

streets, Philadelphia, \$88,485; plumbing, Fred Wackenhutt, 2416 Frankford avenue, \$5,275; heating, Fred C. Wackenhutt, 2416 Frankford avenue, \$5,660; electric, Industrial Elec. Co., 2710 South Darien street, \$2,288.

Alterations, 1724 Locust street, Philadelphia. Architect, Horace Wells Sellers, Stephen Girard Building, Philadelphia. Owners, Curtis Institute of Music, on premises. Steel work, brick work, cut stone, carpentry, terra cotta coping, cork floors, linotile floors, ornamental iron, slag roof, mill work, kalamein doors, skylights, electric wiring, plumbing. Contract awarded H. H. Burrell & Co., 206 South Quince street, Philadelphia.

Factory Building, Amber and Venango

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

streets, Philadelphia. Architect, I. T. Catherine, Franklin Building, Philadelphia. Owners, Gill Glass Works, on premises. Reinforced concrete, brick, 2 stories and basement, 150x250 feet (plumbing, heating, electric and ventilating separate), slag roof, cement floors, elevators, rolled steel sash, bond, ornamental iron work. Contract awarded Gorman & Frank, 6912 Market street, Philadelphia.

Nurses' Home (alts. and add.), Stenton and Evergreen avenues, Chestnut Hill. Architects, Bissell & Sinkler, 1520 Locust street, Philadelphia. Owners, Philadelphia Protestant Episcopal City Mission, on premises. Brick, cut stone, concrete, steel, stone, 2 stories and basement, 29x34 feet, tin and shingle roof, pine and canvas floors, plumbing, metal lath, tile and terrazzo work, bond, ornamental iron work, wrought iron pipe, superintendent's house. Contract awarded Fred A. Havens Co., 843 North Nineteenth street, Philadelphia.

Building, Eleventh, Twelfth, Reed to Wharton, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, 215 City Hall. Brick, steel, 1 story, 110x50 feet (plumbing, electric separate), slag roof, cement floors, ornamental iron work. Contract awarded Conneen Const. Co., 2313 Walnut street, \$10,400; plumbing, Fred Gotshall, 1313 Fairmount avenue, Philadelphia, \$297; electric, Industrial Elec., 2710 South Darien street, Philadelphia, \$365.

Residence (add.) and Garage, 2203 North Twenty-eighth street, Philadelphia. Architect, C. M. Wells, Ruthledge, Pa. Owner, J. C. Horlacker, on premises. Brick, second story add., 14x20 feet, garage, brick, 1 story, 17x38 feet, slag roof, cement floors, plumbing, hot water heat, electric light, tile work. Contract awarded Mey & Topa, Barren Hill, Pa.

Residence (add.), 3309 Baring street, Philadelphia. Architect, private plans. Owner, James Monaghan, on premises. Brick, 1 story, 20x30 feet, asbestos roof, pine floors, carpentry, mill work, plastering, metal lath, ornamental iron work. Contract awarded Bennett McLaughlin, 3434 Sansom street, Philadelphia.

Residence into Offices (alts.), 3432 Sansom street, Philadelphia. Architect, private plans. Owners, S. W. String Co., Flanders Building, Philadelphia. Carpentry and mill work, plastering, painting and glazing, plumbing, electric work. Contract awarded Bennett McLaughlin, 3434 Sansom street, Philadelphia.

Sewage Disposal Project, Northeast Plant, Wheatshaf lane. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Contracts awarded: F. Snare Co., 1524 Chestnut street, Philadelphia, \$357,000; No. 2, Roberts Filter Co., Darby, Pa., \$182,300; No. 3, W. V. Pangborne, 1927 West Montgomery avenue, Philadelphia, \$73,880; No. 4, Edward F. Roberts, 2622 Columbia avenue, Philadelphia, \$3,675; No. 5, A. McClintock & Son, 1937 Ridge avenue, Philadelphia, \$5,200.

Manayunk Central (alts. and add.), Terrace and Grape streets, Manayunk. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co. of America, Seventeenth and Parkway, Philadelphia. Reinforced concrete, brick, cut stone, steel, 1 story and basement and sub-basement, 33x43 feet, slag roof, composition and cement floors, hollow tile, plumbing, steam heat, elec-

tric light, metal lath, hollow metal doors, bond, ornamental iron work, wrought iron pipe. Contract awarded Murphy-Quigley Co., 1518 Sansom street, Philadelphia.

Manufacturing Building (alts. and add.), Southwest Corner Twelfth and Callowhill streets, Philadelphia. Architect, Percival M. Sax, Penfield Building, Philadelphia. Owners, Wolf Brothers, on premises. Brick, cut stone, reinforced concrete, steel, 4 stories and basement, 94x135 feet, Barrett Specification roof, cement floors, roof ventilators, waterproofing, architectural terra cotta, ornamental iron work, floor hardener, bond, fire and kalamein doors, galvanized iron skylights, rolled steel and hollow metal sash. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Residence, East side Southampton street, South of Herschel street, \$10,865. Architect, private plans. Owner, C. L. Worthington, Somerton, Pa. Frame and stone, 3 stories, 26x30 feet, hardwood and pine floors, electric light. Contract awarded to Good & Melver, South Langhorne, Pa.

Gas Station, Southeast Corner Hunting Park avenue and Pacific street, \$3,000. Owner, Harry Lipschultz, 5021 North Broad street, Philadelphia. Brick, 1 story, 16x19 feet. Contract awarded to A. Raymond Raff, 1635 West Thompson street, Philadelphia.

Residence and Store (add. and alts.), 727 West Girard avenue, \$2,500. Architect, private plans. Owner, B. Chalfant, 8122 Girard avenue, Philadelphia. Brick, 1 story add., 5x12 feet, general alterations. Contract awarded to Schechtman Brothers, 1924 North Marshall street, Philadelphia.

Miscellaneous School Work, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Junior High School, Montgomery avenue and Thompson street, Philadelphia, contracts awarded: William Langhorne, 10 South Eighteenth street, Philadelphia, \$975,500; Nelson-Pedley Const. Co., Corn Exchange Building, Philadelphia, \$994,000; plumbing, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$43,500; heating, McClintock & Co., 5608 Race street, Philadelphia, \$98,373; electric, Harry S. Mitchell, 1337 McFerran street, Philadelphia, \$69,900; ventilating, S. Faith & Co., 2427 Pennsylvania avenue, Philadelphia, \$8,091. Specification No. 166: R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$6,500; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$7,020; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,926; heating,

FLOORING

**Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile**

**Distributors of
GOODYEAR RUBBER TILE**

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

**Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815**

HOOD TILE IS GOOD TILE

**ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED**

**DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE**

**HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018**

**MANUFACTURED BY
B. MIEFLIN HOOD BRICK CO
DAISY, TENN.**

Par-Lock

Par-Lock for Perfect Plastering

**Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock**

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

**MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER**

**TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101**

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

**220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593**

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

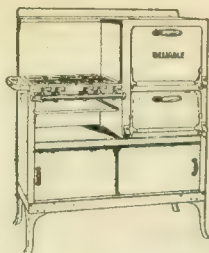
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

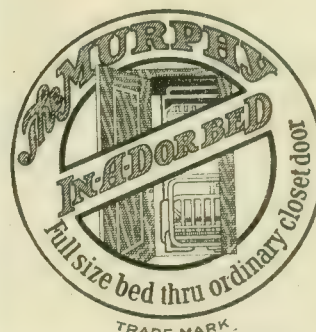
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ber
19 W

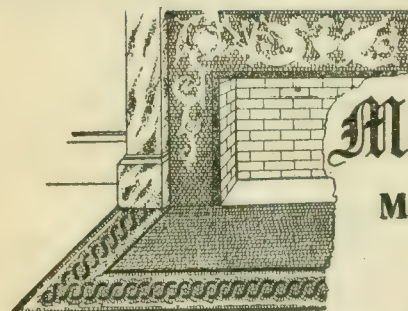
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

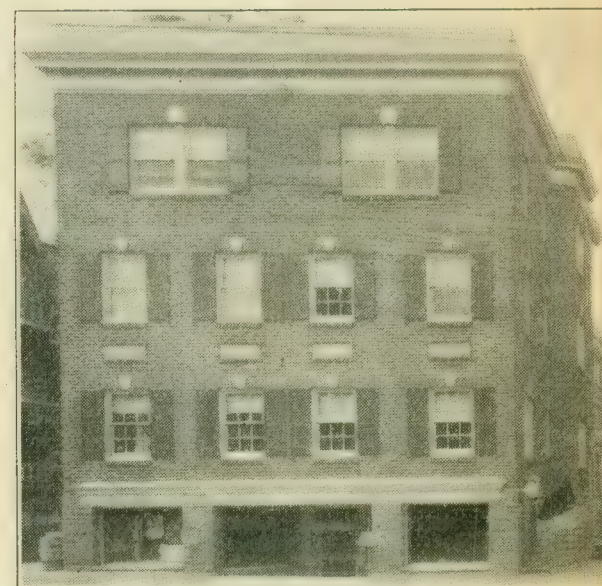
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail yours
Write for Literature.



ALBERT F. SCHENCK
ARCHITECT

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hai
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

BEDS

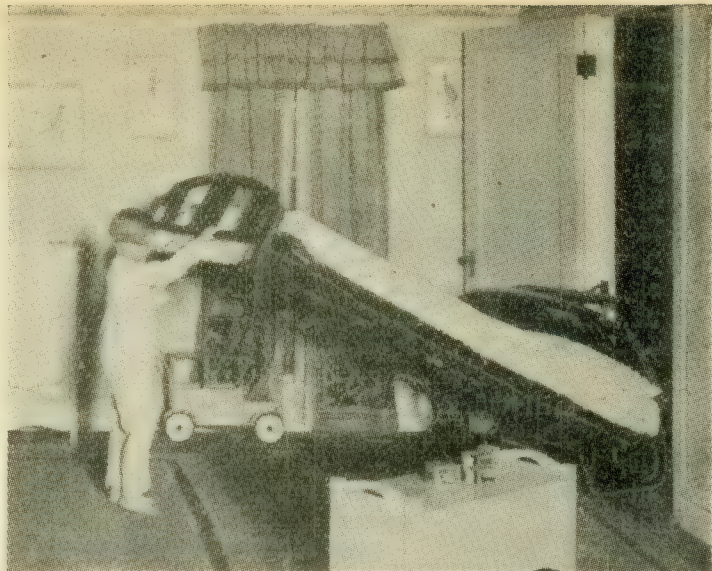
comes
rings

call at our
join kitchen
g boards as
Beds

D CO.

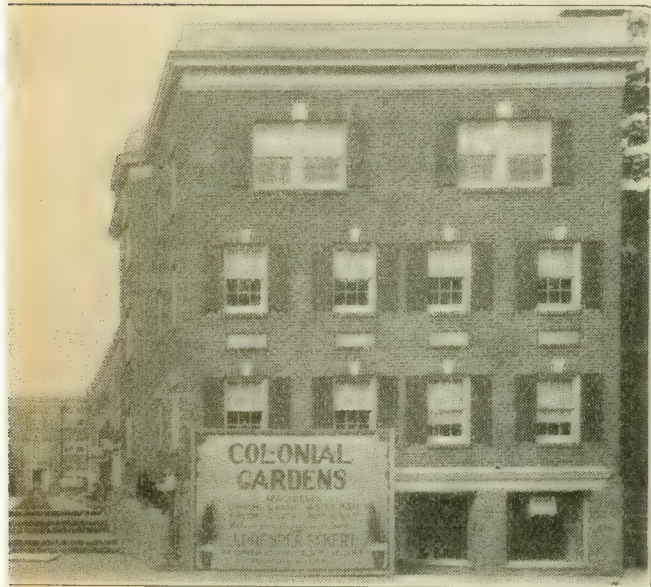
ey Building
44th Street
ew York

R BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

cks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
es flat. It does not
ce masonry.



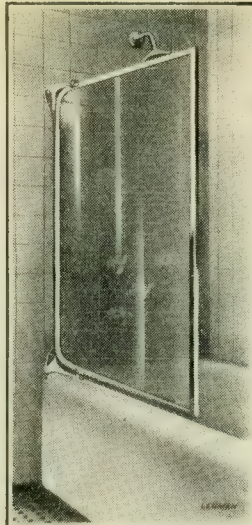
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

John Borden, 637 North Nineteenth street, Philadelphia, \$3,926. Specification No. 169: Richard Gove Co., 1712 Ludlow street, Philadelphia, \$4,410; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$4,503; Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$4,126; heating, McClintock & Son, 1937 Ridge avenue, Philadelphia, 062. Specification No. 172: Richard Gove Co., 1712 Ludlow street, Philadelphia, \$5,521; Mitchell & Co., 2125 Race street, Philadelphia, \$5,890; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,356; heating, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$487. Specification No. 175: R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$14,125; E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$16,105; plumbing, F. Wackenhutt, 2416 Frankford avenue, Philadelphia, \$4,835; heating, John Borden, 837 North Nineteenth street, Philadelphia, \$880. Specification No. 178: William Langhorne, 10 South Eighteenth street, Philadelphia, \$5,764; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$6,060; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$2,493; heating, Bulman & Garvin, 3917 North Broad street, Philadelphia, \$3,444. Specification No. 181: R. S. Herzog, 10 South Eighteenth street, Philadelphia,

\$7,000; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$7,095; plumbing, F. Wackenhutt, 2416 Frankford avenue, Philadelphia, \$3,665; heating, Fred Wackenhutt, 2416 Frankford avenue, Philadelphia, \$7,700. Specification No. 184: Haverstick & Borthwick, Schaff Building, \$5,940; William Langhorne, 10 South Eighteenth street, Philadelphia, \$6,916; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$3,836; heating, S. Faith, 2427 Pennsylvania avenue, Philadelphia, \$411. Specification No. 187: E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$2,566; R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$2,700; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$5,466; heating, McClintock & Co., 5608 Race street, Philadelphia, \$845. Specification No. 121, paint, O. B. Canon, 6542 Beaumont avenue, Philadelphia, \$9,370. Specification No. 124, paint, H. W. Ehringer, Sixth and Duncannon streets, \$5,460. Specification No. 147, paint, Therault Contg. Co., 534 East Johnson street, \$9,722. Specification No. 155, heat, F. Wackenhutt, 2416 Frankford avenue, \$2,760. Specification No. 157, paint, H. S. Rau, 1937 Market street, Philadelphia, \$1,690. Specification No. 158, paint, Thomas Fisher, 612 East Woodlawn avenue, \$5,300. Specification No. 159, paint, Schaefer & Lane, Philadelphia, \$1,190. Specification No. 160, paint, Thomas Fisher, 612 East Woodlawn avenue, \$2,000. Specification No. 161, paint, J. J. Murphy, 1835 Ludlow street, Philadelphia, \$4,855. Specification No. 162, paint, McAlpine & Son, 1713 North Twenty-fourth street, \$12,550. Specification No. 190, paint, O. B. Cannon, 6542 Beaumont avenue, \$2,260. Specification No. 194, H. S. Rau Co., 1835 Market street, Philadelphia, \$4,747. Specification No. 195, Schaefer & Lane, Philadelphia, \$5,925. Specification No. 164, paint, Thomas Fisher, 612 East Woodlawn avenue, \$5,028. Specification No. 165, paint, H. W. Ehringer, Fifth and Duncannon streets, \$1,860. Specification No. 196, paint, Frank Boyle, 2015 Cuthbert street, \$4,790.

Residence (alts. and add.), 1427 West Erie avenue, Philadelphia. Architect, private plans. Owner, Dr. H. W. Wise, on premises. Interior alterations, hot water heat extension, tile work, hardwood floors, plastering, painting, glazing, plumbing, mill work. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

New Store Front (alts.), 107 York road, Philadelphia. Architect, C. M. Wells, Rutledge, Pa. Owner, C. M. Butler, on premises. Contract awarded A. N. Tatros, 3617 North Broad street, Philadelphia.

Apartment House, 5030-36 Baltimore avenue, Philadelphia, \$30,000. Architect, private plans. Owner, Charles Knee, 417 Pine street, Philadelphia. Brick, 3 stories, 50x60 feet,

44x42 feet, slag roof, hardwood and pine floors, electric light. Contract awarded to Samuel Knee, 417 Pine street, Philadelphia.

Store and Office (add. and alts.), 711 Sansom street, Philadelphia, \$16,700. Architect, private plans. Owners, Cooper Brothers, on premises. Brick, 2 stories add., 21 feet 6 inches x 50 feet, slag roof, plate glass, marble, steel, iron, repairs to slag roof, carpentry, mill work, metal lath. Contract awarded to I. Manin, 5226 Berks street, Philadelphia.

Store (alts.), 1533 Chestnut street, Philadelphia, \$2,000. Owner, Mr. Kennard, on premises. General alterations. Contract awarded to Paul Brosz, 2515 West Huntingdon street, Philadelphia.

Garage, 5713-17 North American street, Philadelphia, \$25,000. Architect, private plans. Owner, William F. Schuler, 425 Knorr street, Philadelphia. Brick, 1 story, 62x32 feet, 50x169 feet, slag roof, cement floors, electric light. Contract awarded to Adams Const. Co., 230 Furley street, Philadelphia.

Residence, East side Ardleigh street, South of Gorgas lane, \$13,500. Architect, private plans. Owner, Frank J. Tegan, 5909 North Broad street, Philadelphia. Brick, 3 stories, 27 feet 6 inches x 48 feet 6 inches, 16x6 feet, hardwood and pine floors, electric light. Contract awarded to John J. Bateman, Sixteenth and Ogontz avenue, Philadelphia.

Residences and Stores (2), 621-23 Fitzgerald street, Philadelphia, \$6,650 each. Architect, private plans. Owner, Vincenzo Jacobvizi, 721 Pemberton street, Philadelphia. Brick, 3 stories, 16x28 feet, 13x17 feet, slag roof, electric work. Contract awarded to Frank R. Bilotta, Seventh and Christian streets, Philadelphia.

Residence and Store (add. and alts.), 1531-33 South Twenty-second street, Philadelphia, \$6,500. Architect, private plans. Owner, M. Maislins, 1529 South Twenty-second street, Philadelphia. Brick, 1 story add., 16x17 feet 6 inches, general alterations. Contract awarded to Wolf & Sheffit, 1029 Wyoming avenue, Philadelphia.

Residence and Store (add.), 2615 West Girard avenue, Philadelphia, \$4,200. Architect, private plans. Owner, A. Glassman, on premises. Brick, 1 story add., 10x12 feet. Contract awarded to Philip Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

Store and Apartment (alts.), Southeast Corner Nineteenth and Poplar streets, \$3,000. Architect, private plans. Owner, S. Murphy, 891 Perkiomen street, Philadelphia. General alterations. Contract awarded to Frank I. Wintz, Inc., 1618 North Twenty-seventh street, Philadelphia.

Office and Residence (alts.), 2528 West Lehigh avenue, Philadelphia, \$2,000. Architect, private plans. Owner, A. Levy, on premises. General alterations. Contract awarded to William J. Butterly, 2212 West Lehigh avenue, Philadelphia.

Factory (alts.), Southeast Corner Rorer and Ontario streets, Philadelphia, \$11,000. Architect, private plans. Owners, Schlatter Dyeing Co., on premises. General alterations. Contract awarded to F. Crompton & Bro., 4614 Oakland street, Philadelphia.

Bleachers (repairs), Northeast Corner Fifteenth and Huntingdon streets, \$6,000. Owner, William F. Baker, president. Contract awarded to P. M. Sax, Penfield Building, Philadelphia.

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

EXPERT BLASTING

J. H. HARDING
10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO. BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building
Philadelphia

Lombard 4900

Laundry (add.), 247 South Thirty-seventh street, Philadelphia, \$5,500. Architect, private plans. Owner, Harry Endicott, on premises. Brick, 2 stories, 25x21 feet. Contract awarded to J. H. Hutt, 5920 Dakota street, Philadelphia.

Residence and Store (add. and alts.), 5928-30 Baltimore avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Thomas F. Slatery, 1008 South Forty-sixth street, Philadelphia. Brick, 1 story add., 12x10 feet, general alterations. Contract awarded to John S. Roberts, 5900 Baltimore avenue, Philadelphia.

Residences and Store (add.), 6001-03-05 Torresdale avenue, \$7,000. Architect, private plans. Owner, Julia E. Schnitzer, 6007 Torresdale avenue, Philadelphia. Brick, residence, 2 stories, 18x20 feet, 11x40 feet, hot water heat, stores, 1 story add., 18x16 feet. Contract awarded to Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Residence and Store (alts.), 5100 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owner, L. G. Wohl, on premises. General alterations. Contract awarded to John Roman, 414 East Brighthurst street, Philadelphia.

Factory (add.), 4325 North Bodine street, Philadelphia, \$2,500. Architect, private plans. Owners, Unity Hosiery Co., on premises. Brick, 1 story add., 15x60 feet. Contract awarded to Harry C. Haering, Newportville, Pa.

Residences (alts.), 1247 49-51 South Forty-seventh street, Philadelphia, \$12,000. Architect, private plans. Owner, M. R. Pibaud, 4079 Haverford avenue, Philadelphia. General alterations. Contract awarded to Craftsman Building Co., 8101 Erdrick street, Philadelphia.

Store and Storage (add.), 5542 North Fifth street, Philadelphia, \$8,000. Architect, private plans. Owner, George W. Hess, on premises. Brick, 2 stories add., 20x22 feet, general alterations. Contract awarded to Supper & Forster, 5619 North Second street, Philadelphia.

Residence, West side Bustleton avenue, North of Afton street, Philadelphia, \$6,500. Architect, private plans. Owner, W. Collins, 1235 Bridge street, Philadelphia. Frame, 2 stories, 23x38 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded to Lewis Ahlers, Rhawn and Large streets, Philadelphia.

Garage, rear of 6120 Jefferson street, Philadelphia, \$5,000. Architect, private plans. Owner, Mrs. Susanna H. Kehr, on premises. Brick, 1 story, 16 feet 7 inches x 32 feet, slag roof, cement floors. Contract awarded to William J. Reiner, 1551 North Sixtieth street, Philadelphia.

Residence and Garage, 810 W. Sedgwick St., Germantown, Phila., \$25,000. Architect, David Supowitz, 929 Chestnut St., Phila. Owner, Louis E. Block, 7024 McCallum St., Phila. Stone, 3 stories, 37 feet 6 inches by 23 feet, 32 feet by 18 feet 6 inches, Garage 1 story, 21x23 feet, slate roof, hardwood and pine floors, tile work, electric work. Contract awarded to Aaron Traub, 6701 N. Broad St., Phila.

Convent, N. E. Cor. Grant and Torresdale Avenues, Phila., \$400,000. Architect, Geo. C. Dietrich, Riverside, N. J. Owners, Sisters of

the Holy Family, Franklin and Grant Aves., Phila. Brick and steel, 4 stories, 220x105 feet, 44 feet, 6 inches by 99 feet. Contract awarded to Geo. C. Dietrich, Riverside, N. J.

Church, Castor Road and Godfrey Ave., Phila., \$24,000. Owners, Trinity M. E. Church, 1707 Arch St., Phila. Stone, 1 story, 42x76 feet, 32x56 feet, slate roof. Contract awarded to Nasif & Hargeheimer, Willow Grove, Pa.

Residence, 2076 Haines St., Phila., \$9,000. Architect, Private plans. Owner, Chas. W. Fows, 2076 Haines St., Phila. Brick, 2 stories, 26x34 feet, hardwood and pine floors, electric work. Contract awarded to R. E. Brown, 121 North St., Ambler, Pa.

Residence (add.), 9012 Grenfeldt St., Phila., \$7,000. Owner, Dr. Francis C. Grant, on premises. Concrete block, 2 story addition, 26x14 feet and 6 feet by 17 feet. Contract awarded to Townsend, Schroeder & Wood, Drexel Bldg., Phila.

Pennsylvania Construction News

Club House, Newtown Square, Pa. Architect Associate, C. Barton Keen, 338 S. Smedlet street, F. D. Edmunds, Real Estate Trust Building, Phila. Owner, Aronomink Golf Club, Newtown Square, Pa. Architects ready for bids.

Church, West Chester Pike, Shelburne and Wilson Ave., Manoa. Owner, Sacred Heart Parish, Rev. J. J. Hickey, Manoa, Pa. Work contemplated.

Office Building, Woodland Avenue, and Philadelphia and West Chester Trolley Tracks, Springfield, Delaware Co., Pa., \$30,000. Architects, Folsom, Stanton & Graham, 10 S. 18th St., Phila. Owner, J. J. Dougherty, Upper Darby, Pa. Brick, stone, steel. Plans in progress.

Auto Sales Room, Upper Darby, Pa. Architect, Henry E. Beck, 928 S. Cecil St., Phila. Owner, Gehris Motor Co., 6409 Market St., Phila. Owner taking bids.

Residence, Barker and School streets, Sharon Hill, Pa. Architect, David Supowitz, 929 Chestnut street, Phila. Owner, C. H. Fleming, care H. John Homan Co., 18th and Cherry streets. Stone, brick, 3 stories, hot water heat, oil burning, electric light, tile work, slag roof, hardwood floors. Owner will build.

Residences (55), Shirley St., Upper Darby, Pa. Architect, I. W. Levin, 1011 Chestnut

St., Phila. Owner, D. Magen, 5427 Montgomery Ave., Phila. Concrete block, stucco, 2 stories, 15x44 feet, tile and slate roof, hot water heat, electric light, hardwood floors, tile work, garages in basement. Owner taking sub-bids.

Curtin School, Williamsport, Pa. Architects, Ritcher & Eiler, 147 N. 5th St., Reading, Pa. Owners, Williamsport School Board, H. A. Sterner, Seely, 229 W. 3rd St., Williamsport, Pa. Brick, steel, 2 stories and basement, 108x145 feet, slate roof, composition floors, hollow tile, cast stone, metal doors, steel skylights, tile work. Low bidder: J. C. Snyder, Selinsgrove, Pa., \$169,444. Plumbing: A. B. Hunt & Co., 159 W. 3rd St., Williamsport, Pa., \$12,216. Heating: E. Keeler Co., 238 West St., Williamsport, Pa., \$33,817. Electric: E. P. Edwards, Williamsport, Pa., \$9,406.

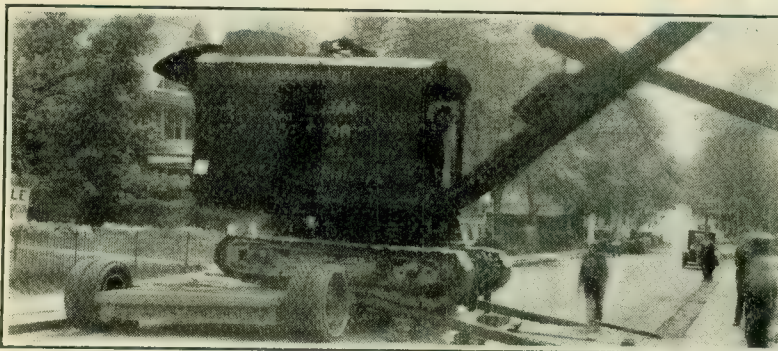
Cochran School, Williamsport, Pa. Architects, Ritcher & Eiler, 147 N. 5th St., Reading, Pa. Owners, Williamsport School Board, H. A. Sterner, Seely, 229 W. 3rd St., Williamsport, Pa. Brick steel, 2 stories and basement, 106x96 feet, slate roof, composition floors, hollow tile, cast stone, metal doors, steel skylights, tile work, gypsum, caluking. Low bidders: John C. Snyder, Selinsgrove, Pa., \$119,333. Plumbing: A. B. Hunt & Co.,

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

159 W. 3rd St., Williamsport, Pa., \$6,445.43. Heating: E. Keeler Co., 238 West St., Williamsport, Pa., \$16,802. Electric: C. M. Davis, Williamsport, Pa., \$4,056.

Theatre, Reading, Pa., \$400,000. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Franklin Amusement Co., Reading, Pa. Brick, steel, concrete, 1 story, 85x220 feet, cement floors, steam heat, electric light, metal lath, tile, marble and terrazzo work. Plans in progress. Details undecided.

Club House, Malvern, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owners, Monday Afternoon Club, Mrs. P. C. Lapp, Malvern, Pa. Stone, 1 story. Preliminary plans drawn. Raising funds.

School (high), Lock Haven, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Har-

risburg, Pa. Owners, Board of Education, Lock Haven, Pa. Fireproof. Architects selected.

School (add. and alts.), Berwick, Pa. Architect, W. W. Witman, Keystone Building, Harrisburg, Pa. Owners, Berwick Borough School District, J. Hughes, president, Berwick, Pa. Brick, 2 stories. Plans in progress.

Office Building, Morrisville, Pa. Architect, W. A. Kleman, First National Bank Building, Trenton, N. J. Owners, Bucks County Contributionship, William Bishop, Morrisville, Pa. Stone, fireproof, 2 stories, 60x46 feet, slag roof, hardwood floors, hollow tile, electric light, metal lath, tile work. Architect ready for bids.

Church (add. and alts.), Shippensburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Memorial Lutheran Church, Rev. W. W. Barkley, Shippensburg, Pa. Brick, steel, 2 stories, 31x95 feet, composition slag roof, concrete and pine floors, cast stone, casement windows, area gratings, tile work, electric light. Will be ready for bids in one week.

Grade School, Catasauqua, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Catasauqua School Board, Miss Ida Downs, secretary, Catasauqua, Pa. Fireproof, steel, brick, concrete, 2 stories, gymnasium, 1 story, 36x68 feet, 94x84 feet, composition slag roof, mastic floors, hollow tile, safety treads, caststone, ornamental iron, iron stairs, bond, terrazzo (heating, plumbing and electric reserved). Owners ready for bids early part of next week.

Garage, 40 South Ninth street, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, H. A. Spatz, 108 Plum street, Reading, Pa. Brick, steel, 2 stories, 40x132 feet, slag roof, concrete and wood floors, roof ventilators, steel sash, fire doors. Architect will be ready for bids at end of week.

American Legion Home (add. and alts.), Dallastown, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, American Legion Post No. 605, care of architects. Brick, 2 stories and basement, 24x43 feet, composition roof, maple and pine floors, vapor heat, electric light. Architects taking bids.

School (add.), Dallastown, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, School Board of Dallastown, H. L. Perry, secretary, Dallastown, Pa. Fireproof, 2 stories, 26x24 feet, composition roof and floors (heating, lighting and plumbing separate), hollow tile, steel sash, metal stairs. Owners taking revised bids.

Residence and Garage, Thayer road, Swarthmore, Pa. Architect, Louis Cole Em-

mons, on premises. Brick work, carpentry and mill work, cement work, electric work, painting, glazing, grading, hardware, metal lath, plastering, plumbing, stair work, structural steel, tile and marble work, structural tile, shingle work, oak, pine floors, hot water heat, wrought iron pipe, brass pipe. Architect taking bids due June 27th.

Church and Sunday School, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, First Baptist Church, Miss Cecil Kendrick, secretary, York, Pa. Brick, steel, 1 and 2 stories, 60x100 feet, metal roof, hardwood and tile floors, hollow tile, damp-proofing, caststone, ornamental iron, tile work, metal lath, electric light, vapor heat. Architect taking bids due July 1st.

High School, Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 2 stories, 26 rooms, Barrett roof, pine floors, hollow tile, safety treads, roof ventilators, waterproofing and damp-proofing, iron stairs, fire doors, steel sash, metal lath (plumbing, heating, electric separate). Owners taking revised bids due June 24th.

Grade School, Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Brick, 2 stories, 12 rooms, Barrett roof, pine floors (heating, plumbing and electric separate). Owners taking bids (revised) due June 24th.

School (add.), Stroudsburg, Pa. Architects, Hasness & Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, Mr. Morey, secretary, Stroudsburg, Pa. Fireproof, 1 story add., 2 rooms, Barrett roof, pine floors (heating, plumbing and electric separate). Owners taking revised bids due June 24th.

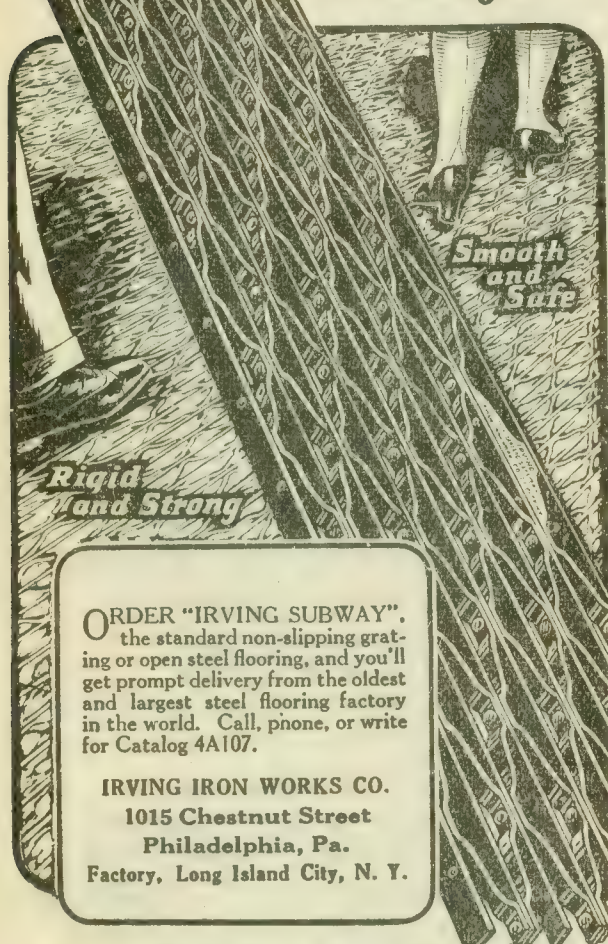
School (add.), East York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, Independent School District of Spriggettsbury, York County, H. Kissinger, secretary, East York, Pa. Brick, 1 story, 33x45 feet, composition roof, pine floors, heating extension, electric light. Owners taking bids due June 30th.

Church and Sunday School, Oakley avenue, Lawndale, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lawndale Presbyterian Church, Lawndale, Pa. Stone, brick, steel. Architect taking bids due June 29th, 4 P. M.

Children's Hospital (Unit No. 2), near Elizabethtown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, State of Pennsylvania, Department of Health, P. B. Appel, Harrisburg. Stone, steel, cut stone, brick, 3 stories and basement, 71x36 feet, gypsum tile roof, hollow tile, waterproofing, ornamental iron work, iron stairs, floor hardener, casement windows, bond, hollow metal doors, tile and marble work, metal lath. Owners taking bids due June 28th, 11 A. M. (Standard Time).

Theatre (alts. and add.), Glenside, Pa. Architects, Frank E. Hahn and S. B. Baylinson, 629 Chestnut street, Philadelphia. Owners, Glenside Realty Co., Glenside, Pa. Brick work, stone work, architectural terra cotta, cut stone, cement work, damp-proofing, metal lath, plastering, ornamental iron work, slag roof,

Always-When You Need Gratings —

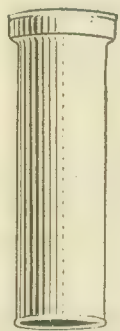


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

kalamein doors, carpentry and mill work, tile and marble work, painting, glazing, hardware, electric work, plumbing, steam heat. Architects taking bids due June 23rd.

Parochial School (add.), Highland Park, Pa. Architect, Geo. D. Lovatt, 223 S. Sydenham St., Phila. Owners, St. Lawrence's Roman Catholic Church, Rev. M. F. Cowl, Highland Park, Pa. Stone, 2 stories and basement, 36x72 feet, slate roof, pine and cement floors, metal lath, tile work, bond, ornamental iron work (plumbing, heating, electric reserved). Architect taking bids due July 27th at noon.

Church and Sunday School, Market and Ormond, Linwood, Delaware County, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Marcus Hook, Pa., Methodist Episcopal Church, Marcus Hook, Pa. One story and basement. Architect taking bids due June 30th.

Reinforced Concrete Stand, Villa Nova, Pa. Engineer, P. J. McCormick, 325 Fuller Building, Philadelphia. Owners, Villa Nova College, care of C. A. McGeehan, Villa Nova, Pa. Reinforced concrete, cement block, 40x340 feet, Owners taking bids due June 29th, 7 P. M. (Standard Time). Certified check, \$2,000 surety bond. Deposit, \$3 (check or cash payable to owner).

School No. 1, Morton, Pa. Architect, C. M. Wells, Ruthledge, Pa. Owners, School Board, Middletown Township, L. Simcox, Morton, Pa. Owners taking bids due June 27th at 7 P. M.

School No. 2, Morton, Pa. Engineer, Mr. Hunn, Morton, Pa. Owners, School Board, Middletown Township, L. Simcox, Morton, Pa. Owners taking bids due June 27th at 7 P. M.

Elmer L. Myers High School and Stadium, Wilkes-Barre, Pa. Architect, Robert Ireland, Wilkes-Barre, Pa. Owners, Board of Education, Wilkes-Barre, Pa. Brick, cut stone, steel, 3 stories and basement, asphalt felt roof, maple and cement floors, rolled steel sash, bond, ornamental iron. Low bidders: Shepherd Const. Co., Miners' Bank Building, Wilkes-Barre, Pa., \$817,963; Ashton Brothers, Wilkes-Barre, Pa., \$879,000; Wark Co., 1600 Walnut street, Philadelphia, \$907,580.

Store Building, 622-24 Penn street, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Croll & Keck, 630 Penn street, Reading, Pa. Brick, steel, 4 stories, basement, 30x270 feet, slag roof, cement floors, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs. Lowest bidders: H. R. Breneman Co., 742 Schuylkill avenue, Reading, Pa.

Paving, Montgomery pike, City Line to Conshohocken avenue. Owners, Controller, Montgomery County, W. C. Irvin, Norristown, Pa. Owners taking bids due July 11th, 11 A. M. (Standard Time). 23,000 feet distance. Reinforced concrete strips, reinforced concrete, bituminous wearing service, 10 feet wide, concrete curb, pipe drainage, etc.

Supplies, Board of Education, C. E. Sanderson, Larkin Building, Chester, Pa. Lumber, hardware, paints, mechanical drawing and laboratory equipment. Owners taking bids due July 8th, 8 P. M. (Daylight Saving Time).

I make it a rule never to write a grouchy letter—I telephone.

Pennsylvania Contracts Awarded

Schools (2), Chesnold and Brookline Grammar, Haverford Twp. Architects, Boyd, Abel & Gugert, Otis Bldg., Phila. Owner, Haverford Twp. School Board, W. J. Ferrill, Haverford. Stone, brick, reinforced concrete, (plumbing, heating, electric), slag and slate roof, cement, maple and linoleum floors, metal window guards, metal lath, tile work, bond, ornamental iron work. (Chesnold, 2 stories, 71x32 feet; Brookline, 2 stories, 57x41 feet. Contract awarded: Chesnold: R. S. Herzog, 10 S. 18th St., Phila., \$63,333. Brookline: Hood & Gross, 1535 Chestnut St., \$34,700.

Store Building, Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, William Raiser, Glenside, Pa. Brick, carpentry, mill work, electric light, heating, plate glass. Contract awarded Roy Randall, Jenkintown, Pa.

Rectory (alts. and add.), 250 South Twelfth street, Reading, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Parish of St. Mary's, Rev. A. Malusecki, Reading, Pa. Brick, third floor add., 24x38 feet, slate roof, hardwood, electric light, hot water heat, new boiler, tile work, metal lath. Contract awarded F. J. Schuler, Norristown, Pa.

School, Northwest Corner Twelfth and Spruce streets, Reading, Pa. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, Parish of St. Mary's, Rev. A. Malusecki, Reading, Pa. Brick, limestone, 2 stories and basement, 59x145 feet, maple floors, slag roof, maple and mineral floors, lockers, showers, toilet partitions, iron stairs, metal lath, vapor heat, oil burning, tile work. Contract awarded F. J. Schuler, Norristown, Pa.

Residence (add.), Cedar road, Elkins Park, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, J. Labe, Jr., on premises, care of Mastbaum Brothers & Fleisher, 1324 South Penn Square, Philadelphia. Brick, frame, 2½ stories and basement, 15x20 feet, slate roof, pine and oak floors.

electric light, metal lath, ornamental iron work. Contract awarded C. T. Clarke, Germantown and Sedgley street, Philadelphia.

Schools (2), Brookline, Junior and Senior High, Haverford Township. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owners, Haverford Township School Board, W. E. Ferrill, Haverford, Pa. Stone, brick, reinforced concrete, plumbing, heating, electric, slag and slate roof, cement, maple and linoleum floors, metal windows, guards, metal lath, tile work, bond, ornamental iron work. 2 stories, 43x62 feet, 2 stories, 97x40 feet. Contract awarded Bowden Const. Co., 1607

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Summer street, Philadelphia; Senior High, \$27,460; Junior High, \$51,500.

Residence, Garage and Greenhouse, Bryn Mawr, Pa. Architect, Edwin Yeo, 1520 Locust street, Philadelphia. Owner, C. E. Wilson, care of architect. Stone, cut stone, 2½ stories and basement, 67x43 feet, slate and slag roof, cement and pine floors, rolled steel sash, ornamental iron work (tile work, linoleum floors, painting, glazing, electric, metal cabinets, weather stripping, heating, plumbing reserved). Contract awarded Gray Brothers, Rosemont, Pa.

Residence, Wynnewood, Pa. Architect, Ralph Goldberg, 266 South Fifteenth street, Philadelphia. Owner, H. C. Irvin, care of architect. Brick, hollow tile, stucco, 2½ stories, slate roof, hot water heat, electric light, tile work. Contract awarded Robert Van Cleave, Drexel Hill, Pa.

Power House (alts. and add.), Indiana, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Indiana State Normal School, Dr. C. R. Foster, principal, Indiana, Pa. Brick, 1 story, 100x100 feet, built-up roof, concrete floors, iron stairs, fire doors, steel sash, electric work (plumbing separate). Contract awarded to Carstensen & McLain, Swank Building, Johnstown, Pa.

Store (add. and alts.), York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, H. Westley & Co., 328 West Market street, York, Pa. Brick, terra cotta and steel, 4 and 1 stories, 20x60 feet, 22x150 feet, built-up roof, maple floors, elevators, tile work, heating extension, electric light. Contract awarded to I. Reindollar & Son, 34 East Springettsbury avenue, York, Pa.

Model Apartment, William Penn High School, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Harrisburg School Board, 121 Chestnut street, Harrisburg, Pa. Brick, 1 story, 38x31 feet, built-up roof, maple floors, vapor heat, electric light, tile work. Contract awarded to C. W. Lady, 2210 Green street, Harrisburg, Pa., \$8,500.

Auditorium, Tamaqua, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Saints Peter and Paul Church, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Brick, steel, 2 stories, 94x43 feet, composition roof, yellow pine floors, roof ventilators, waterproofing, iron stairs, skylights, steel sash, steam heat, electric light. Contract awarded to Tamaqua Const. Co., Tamaqua, Pa.

High School, Birdsboro, Pa., \$111,603. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Birdsboro School District, W. K. Young, Birdsboro, Pa. Contract awarded to W. C. Fritz, 302 North Eleventh street, Reading, Pa. Plumbing, Corbit Brothers, Third and Oley streets, Reading, Pa., \$9,500. Heating, Wasner & Reddig, 206 North Sixth street, Reading, Pa., \$21,590. Electric, Keystone Elec. Co., 705 North Ninth street, Reading, Pa., \$5,195.

School (add.), West Lampeter Township, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, West Lampeter Township School Board, H. Swareley, Lampeter, Pa. Brick, 1 story add., 24x70 feet, built-up roof, composition floors, hollow tile (heating, plumbing and electric separate). Contract awarded to E. K. Krieder, New Danville, Pa.

Pump House, Monocacy, Pa., \$62,000. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Concrete brick, steel, 1 story, 15x10 feet, Barrett asphalt roof, hollow tile, bond, ornamental iron work. Contract awarded David Lutz & Co., Twenty-third and Chestnut streets, Philadelphia.

Bridge, Tilghman street, Allentown, Pa. Engineer, C. E. Long, Norristown, Pa. Contract on core boring awarded to Sprague & Henwood, Scranton, Pa. Plans in progress.

New Field House and Gym, Dining Room Extension, Collegeville, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Ursinus College, Collegeville, Pa. Dining room extension awarded to Heavner & Guthridge, Norristown, Pa. Athletic field house to Stoneback & Nace, Quakertown, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Northampton County, A-4524, Nazareth Borough. One course reinforced concrete. Contract awarded to Juniata Co., Empire Building, Philadelphia, \$44,156.63.

Monroe, Wayne and Lackawanna Counties, R-168, Sec. 2, Coolbaugh, Lehigh, Covington, Clifton and Roaring Creek Townships. One course reinforced concrete. Contract awarded Johnson, Drake & Piper, Inc., Minneapolis, Minn.

Clearfield County, R-59, Sec. 6, Sandy Township. One course reinforced concrete. Contract awarded Avery & Bailey, Philipsburg, Pa., \$21,630.75.

Bridge, Lancaster County, R-280, over Chickies Creek, East Donegal and West Hempfield Townships. Contract awarded to Paul H. Sherich, Inc., Lancaster, Pa., \$59,207.66.

Butler County, R-246, A-4339 A, Jackson and Zelienople Boroughs. One course reinforced concrete. Contract awarded to O. B. Bracht, Titusville, Pa., \$9,311.04.

Mercer County, R-213, A-4100, 3936 A, Sandy Creek and Perry Townships, Sheakleyville Borough. One course reinforced concrete. Contract awarded to Jamieson & Knapp, Fredonia, Pa., \$8,176.74.

Perry County, R-275, Watts, Buffalo and Howe Townships. Grading, drainage and one course reinforced concrete. Contract awarded to Swanger & White, Lebanon, Pa., \$296,477.15.

Luzerne County, R-170, Sec. 2, Fairview and Hanover Townships. Grading and drainage. Contract awarded to R. H. Cunningham & Sons Co., Turtle Creek, Pa., \$239,361.28.

Montour and Northumberland Counties, Route 2, Mahoning and Point Townships. One course reinforced concrete. Contract awarded to Thomas B. Evans, Danville, Pa., \$22,376.16.

New Jersey Construction News

Schools (2) (alts.), Waterford Township, N. J., \$16,000. **School**, Waterford Township, N. J., \$60,000. Owners, School District, C. Wassmuth, Waterford Township, N. J. Work contemplated.

Dormitory Cottage, Glassboro, N. J. Architects, Guilbert & Betelle, Newark, N. J. Owners, State Normal School, Glassboro, N. J. Brick. Plans in progress.

Theatre, Collingswood, N. J. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 1 story. Plans in progress.

School Building, Pennsgrove, N. J. Architect, C. R. Peddle, 236 South Fourth street, Philadelphia. Owners, School Board, Pennsgrove, N. J. Cement block, stucco, 1 story and basement, 60x140 feet, slag roof, hot water heat, pine floors. Ready for bids June 17th.

School (alts. and add.), Bridgeton, N. J. Architects, Edwards & Green, Camden, N. J. Owners, School Board of Bridgeton, Bridgeton, N. J. Brick, reinforced concrete, cut

stone, 2 stories and basement. Postponed until spring, 1928.

Firehouse, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Borough of Hightstown, Hightstown, N. J. Stone, cinder block, steel, 2 stories, 60x110 feet, slate roof, concrete and linoleum floors, vapor heat, electric light, metal lath, tile work, steel sash and skylights, fire doors, hollow tile, roof ventilators, iron stairs, waterproofing and dampproofing. All bids rejected. Will take revised bids in one month.

State Office Building (1 unit), Trenton, N. J. Architects, J. O. Hunt and Hugh A. Kelly, Hunt Building, Trenton, N. J. Owners, State of New Jersey, State House, Trenton, N. J. Cast stone, fireproof, steel, gypsum, 4 stories, 286x60 feet, built-up promenade tile roof, concrete, tile, rubber tile, linoleum floors, hollow tile, elevators, safety treads, roof ventilators, waterproofing and dampproofing, area gratings, bronze, wrought iron pipe, brass pipe, ornamental iron, casement windows, iron stairs, floors hardener, bond, hollow metal doors and skylights, hollow metal sash, tile, marble and terrazzo, metal lath (heating, plumbing and electric separate). Deposit of \$60. Architects taking bids due July 8th.

School, Woodbury, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Education, Woodbury, N. J. Brick, cut stone, steel, limestone, 2 stories and basement, 45x51 feet (plumbing, heating, electric separate), asphalt roof; cement and maple floors, hollow tile, roof ventilators, bluestone, ornamental iron work, bond, tin clad fire doors, hollow metal doors, marble work, metal lath. Owners taking new bids due June 24th.

Residences (8), 3072-86 Carman street, Camden, N. J., \$32,000. **Residences (2)**, 161-63 North Thirty-fourth street, Camden, N. J., \$7,000. Owners, Davies Brothers Co., 1014 North Twenty-seventh street, Camden, N. J. (8) Brick and block, 2 stories, 18x32 feet, (2) frame, 2 stories, 14x38 feet, slag roof, pine floors, hot water heat, electric light, warm air heat. Permit issued.

Store and Residence, 1049 North Nineteenth street, Camden, N. J., \$6,500. Owner, John Cundey, Westville, N. J. Brick, 2 stories, 20x44 feet, slag roof, hot water heat, electric light. Permit issued.

Storm Sewer, Vineyard Farm, Collingswood, N. J. Engineers, Remington & Vosbury, 507 Cooper street, Camden, N. J. Owners, Borough Council, Collingswood, A. Usilton, Collingswood. Constructing storm sewer, approximately 1,400 feet 18-inch to 48-inch T. C. and reinforced concrete pipe, sewer, manholes, inlets and appurtenances. Certified check, 5 per cent, bond 100 per cent. Deposit, \$5, refund \$3. Owners taking bids due June 27th, 8 P. M.

Miscellaneous Work, Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Township of Pensauken, R. V. Peabody, Pensauken, N. J. Owners taking bids due June 15th, 8.30 P. M. Sewage pumping station, automatically electrically operated, bond 100 per cent., certified check 5 per cent; deposit \$10, refund \$5; 10,985 square yards 7-inch concrete paving; 2,197 cubic yards excavation; 825 lineal feet radius 6-inch curb, armour; 5,795 lineal feet curb, 6-inch, plain; bond 100 per cent., certified check 10 per cent.; deposit \$20, refund \$10; double quantities. 43,945 square yards concrete 7-inch paving; 10,330 square yards 6-inch concrete gutters, 65 lineal feet 6-inch curb, armour; 12,000 lineal feet concrete curb, 6-inch, plain; 17,900 cubic yards excavation; 200 lineal feet 15-inch T. C. pipe; 150 lineal feet 12-inch T. C. pipe; 4 City No. 2 inlets; 1 manhole; deposit \$25, refund \$10; bond 100 per cent., certified check 10 per cent; double

quantities. 65 cubic yards concrete 7-inch paving; 1,625 cubic yards excavation; 6,000 square yards 4-inch sidewalk; 12,000 lineal feet curb, 6-inch, plain; 100 lineal feet radial curb, 6-inch; bond 100 per cent., certified check 10 per cent.; deposit \$20, refund \$10; double quantities. 28,190 square yards 7-inch concrete paving; 6,155 square yards 6-inch concrete gutter; 25 lineal feet concrete curb, 6-inch, plain; 9,500 cubic yards excavation; 100 lineal feet T. C. pipe, 15-inch; 50 feet 12-inch T. C. pipe; 2 inlets; 1 manhole; deposit \$25, refund \$10; certified check 10 per cent., bond 100 per cent.; double quantities. 24,260 square yards reinforced concrete 7-inch paving; 6,990 cubic yards excavation; 4,460 square yards concrete gutter; 6,225 lineal feet concrete curb, 6-inch, plain; 465 lineal feet plain 6-inch curb; 5 inlets; 100 feet 15-inch T. C. pipe; bond 100 per cent., certified check 10 per cent.; deposit \$25, refunded \$10; double quantities. 47,500 square yards 7-inch concrete paving; 13,500 cubic yards excavation; 11,000 square yards 6-inch concrete gutter; 1,625 lineal feet concrete curb, 6-inch, plain; 126 lineal feet radial curb, armour, 6-inch; 250 lineal feet 15-inch T. C. pipe; 160 lineal feet 12-inch T. C. pipe; 1 inlet; 1 manhole; bond 100 per cent., certified check 10 per cent.; deposit \$25, refund \$10; double quantities.

Grading, Paving, etc., Runnemede, N. J. Engineer, Beale M. Schmucker, Runnemede, N. J. Owners, Borough of Runnemede, C. W. Brookfield, Runnemede, N. J. Walks, gutters, curb, grading. Approximately 24,700 cubic yards excavation, 12,898 square feet walks, 3,142 lineal feet curbs and 2-inch gutter, intersection concrete, 214 square yard, 119 lineal feet radius curb, 10 drives. Certified check, 10 per cent. Bond. Owners taking bids due July 1st, 8 P. M. (Daylight Saving Time).

Sewage Disposal Plants (3), Haddon avenue and City Line; Kramer Hill; South Camden, Camden, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. City engineer, T. J. Daly, Camden, N. J. Owners, Board of Chosen Freeholders, Camden, N. J. Work contemplated. Plans approved.

New Jersey Contracts Awarded

Residence (alts.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, George Chambers, Riverton, N. J. General alterations. Contract awarded Stewart L. Maines, Riverton, N. J.

Office (add.), 407 Cooper street, Camden, N. J., \$2,500. Architect, Herbert N. Moffett, 320 Market street, Camden, N. J. Owner, Dr. A. M. Elwell, 407 Cooper street, Camden, N. J. Brick, 1 story add., 10x40 feet, slag roof, hot water heat. Contract awarded to Sol. J. Frisch, 429 Cooper street, Camden, N. J.

Miscellaneous School Work, Merchantville, N. J. Owners, Board of Education, Merchantville, N. J. Contracts awarded: Alterations to present gym, etc., Fearn & Vogtlin, Camden, N. J., \$7,685. Removing and reconstructing southwest corner present auditorium, M. C. Pennell, Merchantville, N. J., \$4,575. Alterations to plumbing in auditorium, Harry Knecht, West Collingswood, N. J., \$1,587.

Bridge, Haddon Heights and Audubon, N. J. Owners, Borough of Haddon Heights and Philadelphia & Reading Railroad, Philadelphia. Cantilever type, 125 feet long, 40-foot runway between walks. Contracts awarded: Superstructure, Phoenix Bridge Co., 22 South Fifteenth street, Philadelphia, \$17,860; substructure, T. J. Foley, Pittsburgh, Pa., \$70,910.

Miscellaneous Work, Mt. Ephraim, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Mt. Ephraim, N. J. Low bidder: Northmont Section, Newera Const. Co., Mt. Ephraim, N. J., \$66,884. Contract awarded: Completion of Harry Burton Tract, R. F. McMullen, Mt. Ephraim, N. J., \$74,810.

Bridge, Woodbury, N. J. Owners, Gloucester County Board of Freeholders, Camden, N. J. Contract awarded Just. F. Ericksen, Mantpa, N. J., \$496.

Sewer, Haddon Farms, Haddonfield, N. J. Owners, Borough Council, Haddonfield, N. J. Contract awarded New Jersey Const. Co., Camden, N. J., \$10,040.

Miscellaneous Construction News

Road Work, Delaware. Owners, State Highway Dept., Dover, Del. Contract 83, Hantley-Kenton, 4.44 miles. Clearing, grubbing, excavation, borrow, cement concrete pavement, longitudinal metal point, concrete, reinforcement, corrugated metal pipe, R. C. pipe, wood shoulder curb. Contract 84, gravelling, Kitt's Hammock Road, 3.2 miles. Borrow, corrugated metal pipe. Contract 85, surfacing over Fishing Creek (Thompsonville Road), 760 feet. Broken stone base course, amesite surface course. Contract 86, Bethany Beach, Government Road, .71 miles. Excavation, borrow, stone, cement concrete pavement, (slag aggregate), sand asphalt surface course, concrete, reinforcement, R. C. pipe. Plans, \$2.00 per set. Certified check, 10%. Owners taking bids due July 6th at 2 P. M.

Men's Field House, Morgantown, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, West Virginia University, care of State Board of Control, J. S. Lakin, Charlestown, W. Va. Reinforced concrete, brick, limestone, steel, 1 story, 167x120 feet, 2 wings, 57x35 feet, composition and slag roof, cement and maple floors, hollow tile, plumbing, roof ventilators, concrete piling, waterproofing, bluestone, metal partitions, steel pipe, ornamental iron work, floor hardener, bond, hollow metal doors and sash, rolled steel skylights, metal lath, steam heat, electric light. Owners taking bids due July 11th.

Parochial School, Twenty-eighth and Monroe streets, Wilmington, Del. Architects, Gleason & Mulroney, 250 South Broad street, Philadelphia. Owners, Christ Our King Roman Catholic Church, Rev. J. J. Lynch, Wilmington, Del. Stone, concrete, glazed brick, limestone, granite, slag roof, 2 stories and basement, 62x135 feet (plumbing, heating, lighting separate), metal lath, tile work, marble and cement and terrazzo floors, hollow tile, roof ventilators, metal toilet partitions, auditorium and basement, stage and dressing rooms, bluestone treads, iron stairs and concrete, fire and kalamein doors, metal lath, tile work. Architects taking bids due July 1st.

Tea House (add. and alts.), Delaware State road, Wilmington, Del. Architect, private plans. Owners, Koch Corporation, 828 Market street, Wilmington, Del. Brick, 3 stories, 50x50 feet, tin roof, maple floors, hot water heat, electric light. Owners will build.

Residences (12), Wilmington, Del. Architect, private plans. Owners, Liberty Housing Co., 205 West Fourth street, Wilmington, Del. Brick, 2½ stories, 20x30 feet, composition roof, pine and hardwood floors, hot water heat, electric light, tile work. Owners will build.

Delaware State Highway Work. Contract 72B, Wilmington Bridge Approaches; low bidder, D. E. O'Connell & Son, Ridley Park, Pa., \$34,318. Contract CS58, Dublin Hill-Wooden-hawk, 5.70 miles; low bidder, Walter Roach, Georgetown, Del., stone \$94,069.93, slag \$92,883.13.

Miscellaneous Contracts Awarded

Residence, 728 Nottingham road, Wilmington, Del., \$20,000. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, Allan J. Henry, 727 Nottingham road, Wilmington, Del. Brick, 2 stories, 27x59 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to William M. Francis Co., DuPont Building, Wilmington, Del.

Sensational construction activity, in evidence throughout the earlier months of the year, is continuing. The volume of operations handled during May was greatest ever registered for that month, according to statistics compiled by the Associated General Contractors of America. May was the third month in succession to see new records set.

The volume of work performed during the first five months of this year exceeds by eight per cent the amount registered for the corresponding period in 1926. This is considered especially significant because operations last year reached a total never before equalled.

Last month's volume showed a twenty per cent increase over the April figure.

An index which places the 1913 average on the 100 mark as its basis shows last month's volume to have reached the 197 level. The figure for May, 1926, was 179.

Indications point to a continuation of the speedy pace already set. The volume of contracts awarded during April was the greatest recorded for that month in any year on record. The amazing spurt in the award of contracts for future work is shown in the fact that only one month on record shows a volume of awards greater than the April total.

The total volume of contracts awarded during the first four months of 1927 was five per cent greater than the volume recorded for the corresponding period in 1926.

Construction costs declined during May to a level slightly above the highest mark registered last year.

During the past thirty months, the range of fluctuation has been comparatively narrow.

The decline last month is reported to have been the result of a drop in the average of prices of basic construction materials. The average of wages paid in the principal construction centers of the

country showed no change from the position held in April. May was the fourth successive month in which the wage average has remained unchanged.

The average of total construction costs last month was exactly double the average reported in 1913. While this position was recorded at no time during 1926, more than half the months of 1925 saw costs holding a level as high or higher than the one recorded for May of this year.

The decrease in the average of prices paid for construction materials was caused by last months' lower prices for sand, gravel, stone and common brick in many localities. A scale which places the 1913 average at 100 as its basis shows the average of material prices to have held the 182 level, one point below the mark registered for April. At no time during 1926 was this level reached.

The index number for average wages paid in May was 227, a mark exceeded in only one month in 1926. It is interesting to note that changes in the average of wages have taken place only twice during the last twelve months. A slight decline last October was off-set by a small rise in February of this year.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

BRUNETTES LOSE WEIGHT FASTER THAN BLONDES

*Dark Haired Sisters Perspire Quicker
And Must Bathe More Often
Ventilating Tests Reveal*

Ancient Pompeii, smothered into oblivion by one of the wild eruptions of Mount Vesuvius, was famous for its perfumed baths because the Pompeians were a race of brunettes and nature forces brunettes to bathe more frequently than blondes, F. C. Houghten, director of the air research laboratory of the American Society of Heating and Ventilating Engineers in the Bureau of Mines here, has discovered.

"If gentlemen prefer blondes it is because the blonde is losing weight less rapidly than her sister brunette and she is burning up less tissue through metabolism," Houghten declared. "It is easier for a brunette to reduce in weight than it is for a blonde. Every human being is losing weight constantly by metabolism which leaves the body through the mouth and pores of the skin. That is why bathing is necessary to proper cleanliness and it is the most powerful argument I know of for scientific, controlled ventilation of public schools, theatres, fight arenas and other places where people gather. The ancient Pompeians knew the value of proper ventilation and bathing to health."

Physicians of the United States Public

Health Service with the aid of the ventilating engineers, the fan manufacturing industry and the United States Bureau of Mines have been conducting hundreds of physiological tests which have shown the importance of correct air conditions to health as well as the loss of weight by metabolism. It was found during these tests that the brunette perspires more than the blonde person, either man or woman. The tests established the fact that the average person loses one gram of weight per minute, although the light-haired person averaged less than dark haired persons. The weight loss was equal to one grain of corn per minute, it was explained.

Houghten declared that the pores of the skin are like microscopic caves which act just like any cave in the mountains.

"When the barometric pressure falls, which it does about twice a day, the air pressure in the cave is released and the air comes out of the cave with a rush," Houghten continued. "The point is to keep the cave cool. The same is true of the pores of the skin except on a microscopic basis and instead of the air it is usually moisture, although in very dry temperatures the moisture is unusually slight. For this reason, we lose the most weight in a hot, dry atmosphere because we work the pores overtime in this out-pouring or exudation operation."

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

EXPANDED METAL LATH



**KNO-BURN MESH
DIAMOND MESH
RIB LATHS**

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH**

WODACK ELECTRIC HAND SAW

**PEARCE FIREPROOF CO.
1911-13 North 2nd Street, Phila.**

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING

Libman, S. 831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co. 617 Filbert St., Phila.

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Phila. Building Material Co. 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank. Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

Lee T. Ward Co. 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

After a Fire

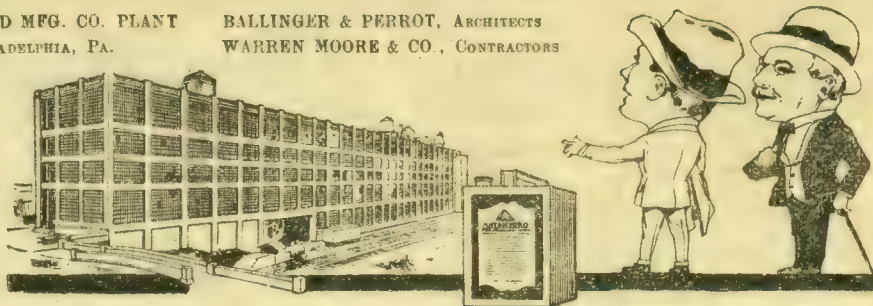
you'll find no satisfaction in figuring up the amount of insurance you should have had.

But there's a lot of satisfaction in knowing that your property as it stands today is fully covered by dependable fire insurance.

Our policies are backed by a 135 year record of obligations promptly met. Your agent or broker can get you a North America policy.

BUDD MFG. CO. PLANT
PHILADELPHIA, PA.

BALLINGER & PERROT, ARCHITECTS
WARREN MOORE & CO., CONTRACTORS



Concrete Pits Waterproofed With "ANTI-HYDRO" are Always Dry

The concrete pits in this building, as well as the tunnel under the railroad, are waterproofed with "ANTI-HYDRO". Both pits and tunnels are always dry.

"ANTI-HYDRO" permanently waterproofs concrete against any head of water. It also hardens concrete and makes it acid, alkali and oil resisting all in one operation. Easy and economical to use, because it is a liquid integral compound, which mixes readily with the gauging water without the aid of skilled labor.

Some "ANTI-HYDRO" jobs are 23 years old, yet they look like new. That's because "ANTI-HYDRO" results are permanent. Use it on your next job for guaranteed satisfaction.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 26
June 29, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

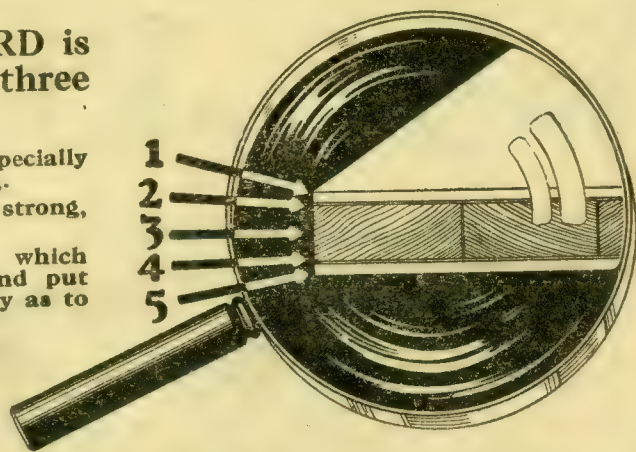
MANUFACTURERS OF

"P. G." Land Plaster	"P. G." Gypsum Partition Blocks
"P. G." Stucco	All Sizes
"P. G." Hardwall	"P. G." Roof Tile
"P. G." Wood Fibred Plaster	"Gyproc" Wall Board
"P. G." Plaster of Paris	"Gyproc" Joint Filler

"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Price—

A stumbling block all concerns fall
over when they try to give first-class
material, real honest workmanship,
together with efficient service.

On your next ELECTRICAL JOB
think that over.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

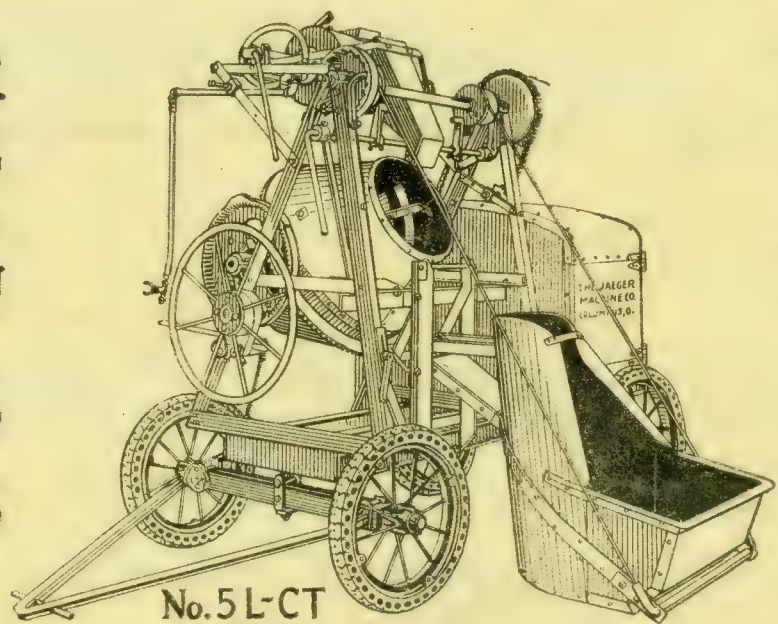
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

R
E
S
U
L
T
S



S
E
R
V
I
C
E

JAEGER MIXERS

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA



LOW PRESSURE Electric Refrigeration by Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

FABRICATED STEEL IRON BARS

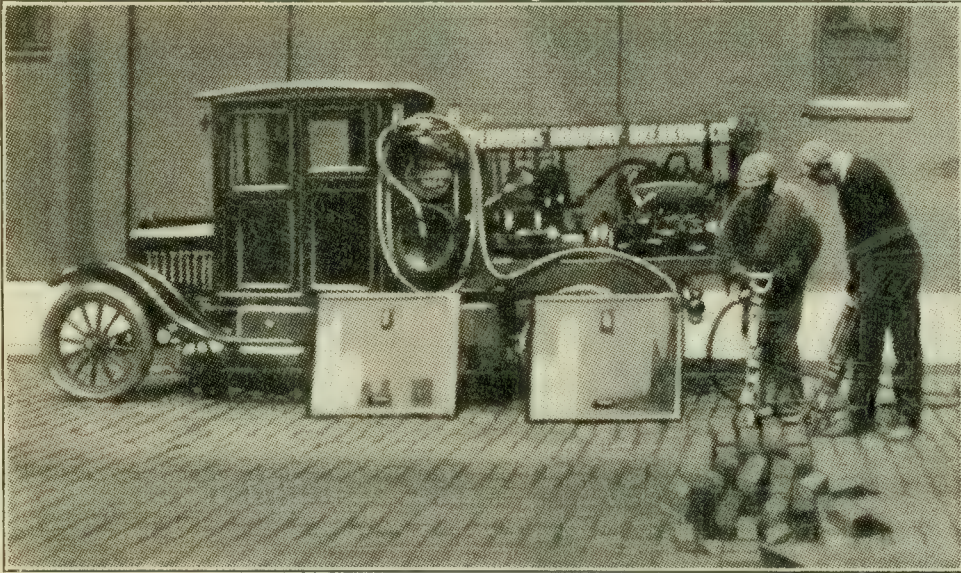
RICHARD DeCOU CO.

Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE
**Street Openings
By Newest and Easiest Method**

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES :

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

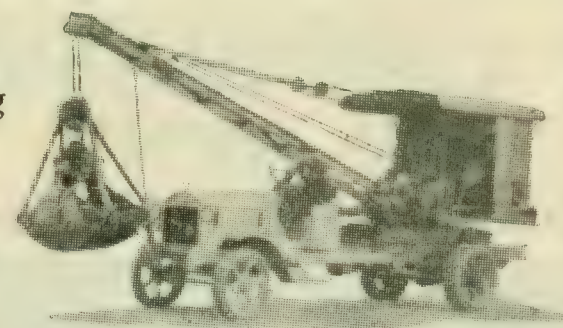
East 7785

Excavating

Steel
Erecting

Trench
Work

Car
Unloading


CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

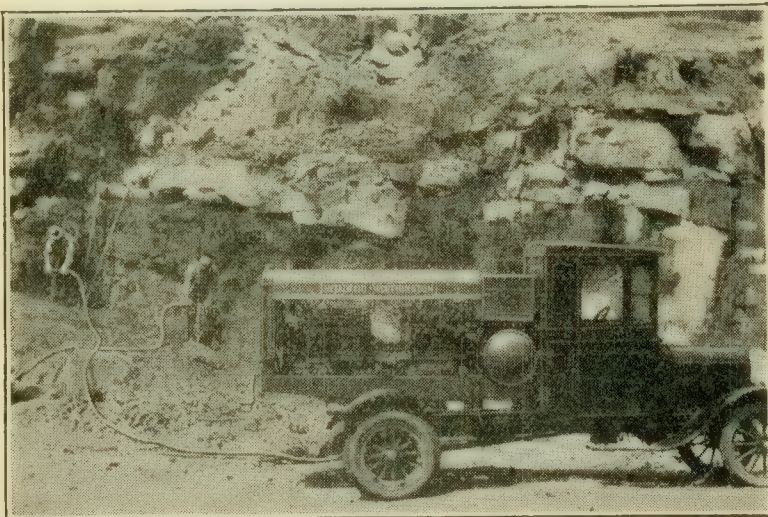
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

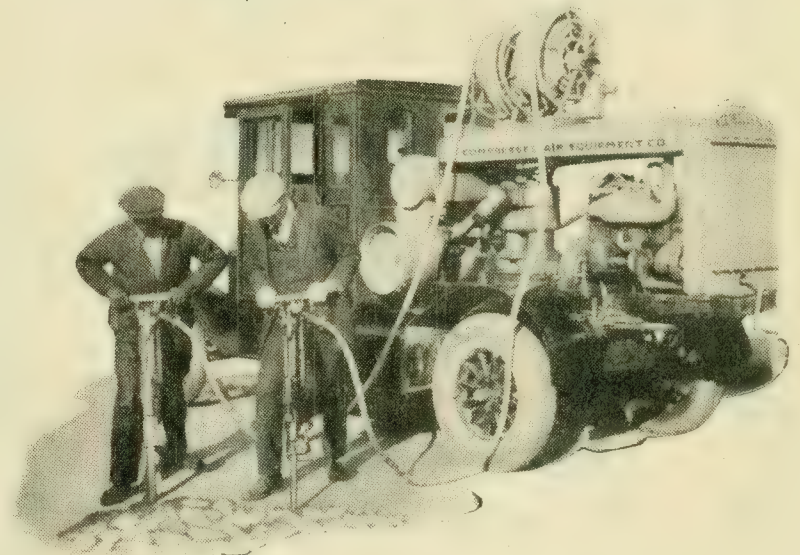
METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

BankVaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 26

PHILADELPHIA
June 29, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House (alts. and add.), 206 South Forty-third street, Philadelphia. Owner, Michael Maloney, 1021 South Sixtieth street, Philadelphia. Brick. Work contemplated.

Apartment House, Northeast Corner Forty-third and Walnut streets, Philadelphia. Architect, private plans. Owner, Michael Maloney, 1021 South Sixtieth street, Philadelphia. Brick. Details undecided. Work contemplated.

Loft Building, Southwest Corner Twelfth and Filbert streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Benjamin Cohen, Commonwealth Trust Building, Philadelphia. Reinforced concrete, steel, brick. Plans in progress.

Dyeing and Cleaning Plant, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighth street, Philadelphia. Owner, name withheld. Working plans will be started in six weeks.

Workshop (alts. and add.), 1304-12 West Cumberland street, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, Conrad Wacker, on premises. Brick, reinforced concrete, steel, new second story, 78x72 feet, slag roof, maple floors, plumbing, hot water heat, electric light, rolled steel sash, hollow metal doors, bond, ornamental iron work, iron pipe, concrete work and ramps. Owner taking sub-bids.

Garage, Southeast Corner Forty-third and

Walnut streets, Philadelphia. Architect, private plans. Owner, I. W. Massey, 5311 Thomas avenue, Philadelphia. Brick, 1 story, 75x196 feet, gypsum and slag roof, concrete floors, steam heat, electric light. Owner will build.

Recreation Center (alts.), G and Ontario streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Recreation, 585 City Hall. Grading, coping, fencing. Plans completed. Ready for bids.

Store and Residence (alts. and add.), 8507 Germantown avenue. Architect, private plans. Owner, William Johnson, on premises. Brick, steel, 2 stories, 45x52 feet, cement work, oak floors, carpentry and mill work, plastering, metal lath, brick work, slag roof, plate glass, terra cotta coping. Owner taking bids.

Vare School (alts. and add.), Morris and Moyamensing avenue, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, reinforced concrete, granite, steel, 3 stories and basement, 74x63 feet (plumbing, heating, electric separate), slate, copper and promenade tile roof, cement and maple floors, hollow tile, safety treads, metal ceilings, membrane waterproofing, dampproofing, area gratings, ornamental iron work, floor hardener, bond, hollow metal

doors, tile and marble work, metal lath. Owners taking bids due July 5th.

Normal Public School (alts.), Thirteenth and Spring Garden streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick work, granite work, cut stone, iron work, metal shelving, carpentry, mill work, linoleum floors, copper roof, plastering, metal lath, marble work, tile work, painting, glazing, hardware (plumbing separate). Owners taking bids due July 5th.

School (alts. and add.), 4000 Pine street, Philadelphia. Architect, Roy F. Larson, Room 1304, Otis Building, Philadelphia. Owners, Miss Illman's School for Kindergarten and Primary Teachers, on premises. Brick, stucco, 3 stories and basement, 39x48 feet, stone and brick work, structural steel, cement and concrete, carpentry and mill work, plastering, iron work, painting and glazing, electric work, limestone, composition roofing, area gratings, steel sash, steam heat, plumbing. Architect taking bids due July 1st.

Building, Northwest Corner Thirty-seventh and Spruce streets, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, H. Baylinson, Thirty-fourth and Walnut streets, Philadelphia. Brick, cut stone, reinforced concrete, limestone, 2 stories and basement, 100x18 feet, slag roof, cement and maple floors, roof ventilators, waterproofing and dampproofing, ar-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.
1729-31 Sansom Street, Philadelphia
BELL PHONE, RITTENHOUSE 7530
KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

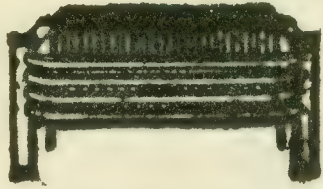
**Structural
Steel**

ROBT. B. LEDERLE & CO.
ENGINEERS AND CONTRACTORS
WITHERSPOON BUILDING
PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



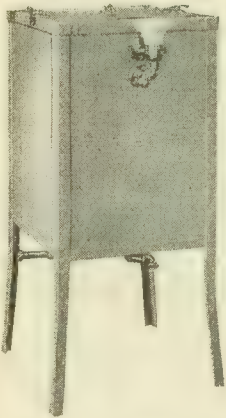
FOR

**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

chitectural terra cotta, ornamental iron work, area gratings, bond, metal bulks, rolled steel skylights, tile and marble work, terrazzo work, metal lath. Architects taking bids due June 30th, 2 P. M.

Parish House (add.), Rittenhouse and McCallum streets, Philadelphia. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, St. Barnabas' Episcopal Mission, on premises. Stone, limestone, steel, 1 story, basement and gallery, 38x72 feet, slate roof, cement, pine and composition floors, plumbing, steam heat, electric light, metal lath, bond. Architect taking bids due June 30th at noon.

Residences (54), Van Kirk, Howard and Weymouth streets, Philadelphia. Architect, J. C. Naschold, 5234 North Second street, Philadelphia. Owner, D. Sloan, 1815 East Cheltenham avenue, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 46 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner taking bids.

Miscellaneous Repairs, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due July 5th at 11 A. M. (Standard Time). Various schools alterations, electric, plumbing, kitchen equipment, moving picture machine, wire screens, metal storm doors, fire escape repairs, engine, plastering, air washers, heating equipment, heat ducts, thermostats, pipe, pipe fittings, valves, plumbing, materials for stock and various repairs, steel shelving.

Theatre, Broad and Sixty-seventh avenue, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihof, Sixteenth and Indiana avenue, Philadelphia. Brick, limestone, steel, 1 story, balcony and basement, 210x124 feet, slag roof, cement floors, plumbing, metal lath, tile work, ornamental iron work. Architects taking bids due July 2nd.

Rectory, Fifth and Cayuga streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Henry's Roman Catholic Church, on premises. Architect taking bids due July 1st.

Residences (58) and Garage, West side Whittaker street, North of Wyoming avenue, Philadelphia, \$206,500. Owners, Fishman, Fort & Park, 1738 Georges lane, Philadelphia. Brick, 2 stories, 15x27 feet, 11 feet 8 inches x 11 feet, hot water heat, electric light, garage, 1 story, 33 feet 4 inches x 17 feet. Permit issued.

Residences (2), 8527-29 Laycock avenue, Philadelphia, \$7,000 total. Architect, private plans. Owner, Frank Bronson, 8529 Laycock street, Philadelphia. Brick, 2 stories, 16x36

feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Friendship street, East of Algon street, Philadelphia, \$5,000. Architect, private plans. Owner, Henry Jungitsch, 7207 Lawndale street, Philadelphia. Frame and brick, 2 stories, 22x34 feet, hot water heat, electric light. Permit issued.

Residences (4), East side Rising Sun avenue, South of Rosalie street, \$25,500. Architect, private plans. Owner, J. Herbert McCandless, 4710 York road, Philadelphia. Brick, 2 stories, 16x52 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (19), Ogontz avenue, South of Horner street, \$104,500. Architect, private plans. Owner, Max Chipin, 5701 North Seventeenth street, Philadelphia. Brick, 2 stories, 16x35 feet, 12x20 feet, hot water heat, electric light, garages, 1 story, 16x20 feet, \$9,500. Permit issued.

Residences (3), 7310-16-22 Rural lane, Philadelphia, \$33,000. Architect, private plans. Owner, Charles H. Dading, 1418 Walnut street, Philadelphia. Tile, 2 stories, 30x46 feet 6 inches, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residences (6), West side Ridgway street, South of Rhawn street, \$30,000. Architect, private plans. Owner, William G. Isles, 310 Levick street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Offices (alts.), South side Wyoming avenue, West of Second street, \$15,000. Owners, Philadelphia Rapid Transit Co., Broad and Locust streets, Philadelphia. General alterations. Permit issued.

Residence, West side Georges lane, North of Susquehanna avenue, \$10,000. Owner, Herman Slavitt, 5136 Haverford avenue, Philadelphia. Brick, 2 stories, 42x30 feet, 17x12 feet, hot water heat. Permit issued.

Gas Station, Southeast Corner Fiftieth and Haverford avenue, Philadelphia, \$10,000. Owners, Gulf Refining Co., 1515 Locust street, Philadelphia. Brick, 1 story, 15x20 feet. Permit issued.

Residences (19), North side Mill street, East of Erdrick street, Philadelphia, \$57,000. Architect, private plans. Owner, S. A. Morse, Forty-first and Haverford avenue, Philadelphia. Brick, 2 stories, 17x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Boiler House (alts.), Northeast Corner Sixty-fourth and Lebanon avenue, Philadelphia, \$5,000. Architect, private plans. Owners,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

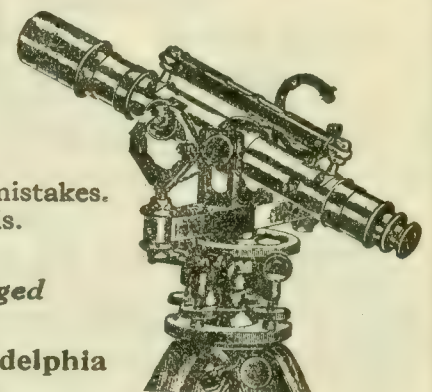
on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.
Examine our complete line of Rebuilt Transits and Levels.
Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired—Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years



SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

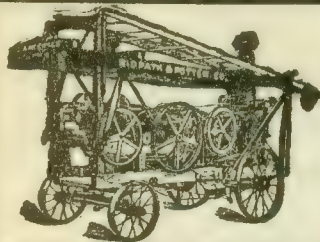
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

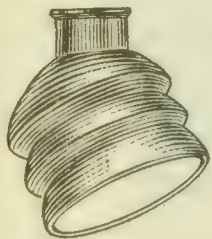


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Lewis Jones, Inc., on premises. General alterations. Permit issued.

Garage, Northwest Corner Fourth and Olney avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Samuel McLaren, on premises. Brick, 1 story, 16x22 feet, slag roof, cement floors. Permit issued.

Residences (16), East side Discher street, West of Sanger street, \$64,000. Architect, private plans. Owners, Smith, McGowan & Donnelly, 813 East Allegheny avenue, Philadelphia. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, 526 Fitzwater street, Philadelphia, \$5,000. Architect, private plans. Owner, Peter Cianfrani, 725 South Marshall street, Philadelphia. Brick, 3 stories, 15 feet 9 inches x 39 feet, hot water heat, electric light. Permit issued.

Residences (26), South side Ashmead, East of Magnolia, \$3,000 each. Architect, private plans. Owner, B. Rubman, 1015 Wingohocking avenue, Philadelphia. Brick, 2 stories, 15x24 feet, hot water heat, electric light, carpentry and mill work. Permit issued.

Residences (alts.), 6802 Torresdale avenue, Phila., \$3,000. Architect, Samuel D. Milnor, 4616 Frankford avenue, Philadelphia. Owner, Margaret Cramer, on premises. General alterations. Permit issued.

Contract No. 191, Sidewalks Restoration, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due July 1st, 11 A. M. (Standard Time). Deposit, \$25; refund, \$25. Certified check, 5 per cent. Broad street, Filbert to Noble street, Philadelphia.

Bridge Repairs, Girard avenue over Schuylkill River. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Floor renewal. Bond, 5 per cent. Owners taking bids due July 6th, 11 A. M. (Standard Time).

Contract No. 154, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due July 7th, 11 A. M. (Standard Time). Deposit, \$50, refunded. Certified check, 5 per cent. Install contact rail and bonding of tracks.

Pennsylvania Railroad Work. Purchasing agent, C. E. Walsh, 15 North Thirty-second street, Philadelphia. No. 73, steel pipe and tubes. No. 74, tie plates, joints, bars, track bolts, spikes. No. 75, guard rail clamps. Bids due June 27th at noon. No. 80, wheel rails, bids due July 1st. No. 81, rail bonds, terminal, drift tins, copper cable for bonding. No. 82, bridge superstructure. No. 83, frogs,

crossings, compro. joints. Bids due July 5th at noon (Standard Time).

Sewer Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Cottage street, Hellerman street to Magee street, A. Mattia, State road, North of Cottman street, Philadelphia, \$3,807.95. Cheltenham avenue, Lakeside to Seventieth avenue, P. & A. J. Ellis, Fourth below Wyoming avenue, \$14,105.15. Conshohocken avenue, Belmont to Forty-sixth street, F. T. Buckius, Kensington avenue and Deal street, \$2,886. Fairhill street, Cheltenham to Godfrey avenue, A. De Sandro, 6400 North Fifth street, Philadelphia, \$6,064. Foulkrod street, Bingham to Montour street, Leva Brothers, 104 West Gale street, Philadelphia, \$12,136.50. Jackson street, Wakeling to Foulkrod street, A. Frunzi, 513 High street, Philadelphia, \$2,550. Leverington avenue, Shalkop to Lawnston street, A. Frunzi, 513 High street, Philadelphia, \$8,200.95. Phil-Ellena street, Anderson to Stenton avenue, A. Frunzi, 513 High street, Philadelphia, \$3,677.50. Magee street, Algard to Jackson street, P. Pinciotto, 4103 East Roosevelt Boulevard, Philadelphia, \$6,689.50. Seventy-first avenue, York road to Broad street, A. Perna & Son, 752 South Tenth street, Philadelphia, \$9,467.50. Rector street, Ridge to 275 feet East, A. Carrado, Philadelphia, \$5,535. Rising Sun avenue, Olney to Clarkson, A. Carrado, Philadelphia, \$8,475. Twenty-seventh street, Moore to Snyder avenue, P. Pincotti, 4103 East Roosevelt Boulevard, Philadelphia, \$11,689. Twenty-sixth, Moore to Point Breeze avenue, P. Pincotti, 4103 Roosevelt Boulevard, Philadelphia, \$17,870.50. Seventy-second street, Woodland to Yocum street, L. A. Zerrolli, Philadelphia, \$2,410. Thompson, Tioga to Sunset South of Venangoff, L. A. Zerrolli, Philadelphia, \$2,854.

Reinforcing Floors, 26 North Delaware Avenue, 27 North Water Street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owner, Estate of Stephen Girard, 1211 Chestnut Street, Philadelphia. Concrete and cement, brick, steel, lumber, painting, miscellaneous iron work. Architect taking bids due July 6th.

Residences (18), Fayette street, north of Cliveden, \$81,000. Owner, Michael Conway, 4150 North Broad street, Philadelphia. Brick, 2 stories, 15x29 feet, hot water heat, hardwood floors, electric light, carpentry and mill work, slag roof. Permit issued.

Miscellaneous Work, Philadelphia. Owner, Department of Public Works, Bureau of Highways, 232 City Hall, Asphalt paving, repaving, country road improving. Certified check 5%. Owner taking bids due July 6th, 11 A. M. S. T.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4539 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garden Terrace Auto Storage Building, between Forty-seventh and Forty-eighth, Spruce to Pine street, Philadelphia. Architect, Ralph Bencker, Bellvue Court Building, Philadelphia. Owner, Clarence R. Siegel, Garden Court Building, Philadelphia. Brick, limestone, granite, reinforced concrete, steel, 1 story and basement, 263x161 feet, 2 wings, 78x120 feet, mastic and asphalt roof, cement floors, hollow tile, painting, glazing, mastic waterproofing, metal toilet partitions, integral waterproofing, caulking, area gratings, bronze work, ornamental iron work, iron stairs, floor hardener, store front, bond, rolled steel and kalamein doors, rolled steel sash, tile, marble work, metal lath. Contract awarded F. W. Mark Contg. Co., Commercial Trust Building, Philadelphia.

Bath House, 1808-14 East Hazzard street, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Public Bath Association, on premises. Stone, brick, cut stone, reinforced concrete, limestone, 2 stories and basement, 52x53 feet, slag roof, cement floors, plumbing, membrane waterproofing, dampproofing, marbleoid linoleum floors, wrought iron pipe, ornamental iron work, bond, hollow metal doors and sash, rolled steel sash, tile and marble work, gas light. Contract awarded Townsend, Schroeder & Wood, Drexel Building, Philadelphia.

Convent (alts. and add.), Keystone and Unruh streets, Tacony. Architects, Hoffman & Henon, Finance Building, Philadelphia. Owners, St. Leo's Roman Catholic Church, on premises. Brick, concrete, stone, steel, 3 stories and basement, 55x40 feet, slag roof (plumbing, heating, electric reserved), metal lath, tile and marble work, tin clad and kalamein doors, bond, ornamental iron work, iron stairs, metal weather strip, hollow tile, cement and pine floors, metal toilet partitions. Contract awarded B. J. McKenna, 2643 North Hutchinson street, Philadelphia.

Band Stand, Arch street, between Broad and Fifteenth streets, Philadelphia. Architect, Paul Cret, Otis Building, Philadelphia. Owners, Board of City Trusts, Fifth and Chestnut streets, Philadelphia. Reinforced concrete, brick, granite, limestone, steel, 1 story, 56x30 feet, Johns Mansville roof, tile floors, hollow tile, roof ventilators, plumbing, waterproofing and dampproofing, ornamental iron work, bond, hollow metal sash, metal lath, electric light. Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

Residence (alts.), West Mt. Pleasant avenue, Philadelphia. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Albert D. Henneka, on premises. General alterations. Contract awarded McClintock & Weaver, 24 Phil-Ellena street, Philadelphia.

General Theatre, Southwest Corner Sixty-ninth and Elmwood avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Green & Altman, Hyman Building, Philadelphia. Brick, steel, limestone, 3 stories and 1 story and balcony, 144x92 feet,

steam heat, electric light, slag roof, cement floors, plumbing, ornamental iron work, bond. Contract awarded George Kessler Contg. Co., 1733 North Marvine street.

Lodge Building (alts.), 1336 Spring Garden street, Philadelphia, \$30,800. Architect, private plans. Owners, Fraternal Order of Eagles, on premises. Brick work, cement work, steel, iron, plastering, carpentry, mill work, hardware, composition floors, painting, glazing, dumb waiter, plumbing, marble work, metal lath, electric work, steam heat alterations. Contract awarded to Conneen Const. Co., 2313 Walnut street, Philadelphia.

Store (alts.), 625 Market street, Philadelphia, \$4,500. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owners, 625 Market Street Realty Corporation, care of architects. Shoring, brick work, plastering, oak floors, tile and marble, hardware, carpentry, mill work, painting, glazing, electric work. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Synagogue, Northeast Corner Ritner and Marshall streets, Philadelphia, \$13,500. Architect, Max A. Bernhard, 127 South Eighteenth street, Philadelphia. Owners, Congregation Beth Samuel, H. E. Miller, Swanson and Mifflin streets, Philadelphia. Brick, 1 story and balcony, 31x48 feet. Contract awarded to Charles S. Barnett, 1633 South Fifty-ninth street, Philadelphia.

Church, Twenty-eighth and Diamond streets, Philadelphia. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, Most Precious Blood Church, Rev. J. P. Green, on premises. Brick, reinforced concrete, steel, 2 stories and basement, 129x81 feet (plumbing, heating, electric reserved), shingle and tile roof, cast stone, bluestone, wall finish, ornamental iron work, area gratings, iron stairs, casement windows, bond, tile and marble work, metal lath. Contract awarded Murphy-Quigley Co., 1518 Sansom street, Philadelphia.

Building No. 10 (alts. to new toilet rooms), Girard College, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Girard College, Girard and Corinthian avenues, Philadelphia. Electric light, metal lath, cement

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

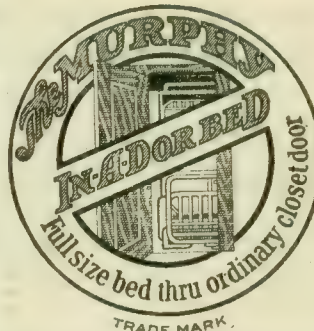
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

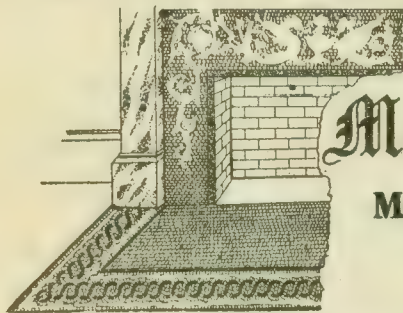
**THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"**

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

**BUILD WITH
ST. MARTINS BUILDING STONE**

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Com
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STC

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

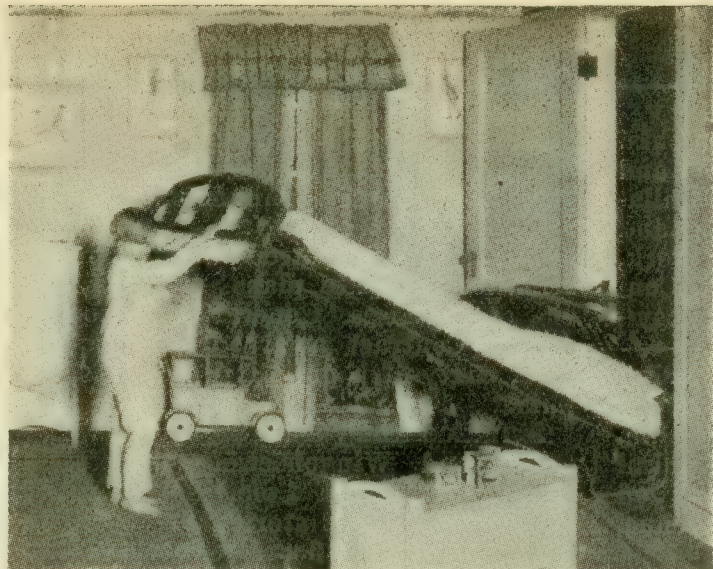
BEDS

omes
brings

call at our
plain kitchen
boards as
Beds

ED CO.

ley Building
at 44th Street
New York
R BED



A child can operate the bed

comfortable, Convenient
here represented sell
and Specified Materials or
elt of their co-operation.



NETEX

urfaces

ecks are beginning to show,
ing Truscon STONETEX.

and the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
ke masonry.



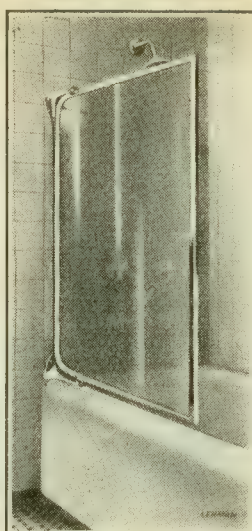
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD
Allegheny 5520 138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

floors, marble and tile, plumbing, heating, hardware, mill work, lumber, painting, glazing. Contract awarded F. W. Van Loon, Perry Building, Philadelphia, \$10,000.

Connection to Market Street Subway,

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859

831 South 49th Street, Philadelphia

Twelfth and Market streets, Philadelphia. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Steel work, granite, steel, concrete work, iron work. Contract awarded Kaufman Const. Co., Pennsylvania Building, Philadelphia.

Residence, Emlen and Cresson streets, Philadelphia. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, F. M. Henson, on premises. General alterations and additions. Contract awarded J. E. Walt, 204 East Willow Grove avenue, Philadelphia.

Theatre, Southwest Corner Seventeenth and Market streets, Philadelphia. Architect, C. Howard Crane, 345 Madison avenue, New York City. Associate architects, Poggi & Winters, Equitable Building, Philadelphia. Owners, care of William Fox Corporation, 750 Tenth avenue, New York. Contract awarded Aaronberg & Fried, 21 East Fortieth street, New York. Plans in progress.

Store, York road and Haines street, Philadelphia. Architect, A. Oscar Martin, Doylestown, Pa. Owner, C. N. Hassinger, on premises. Brick, 2 stories, 25x58 feet, slag roof, hardwood floors, plate glass, flush bulks, hot water heat. Contract awarded C. T. Clarke, Germantown and Sedgley avenues, Philadelphia.

Club (alts.), 3944 Walnut street, Philadelphia. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owners, Philomunian Club, on premises. Plate glass, carpentry and mill work, painting, glazing. Contract awarded J. Sims Wilson, 1125 Brown street, Philadelphia.

Residence, South side Hillcrest avenue, East of Germantown avenue, \$28,000. Owner, Paul Jones, 435 West School Lane, Philadelphia. Stone, 3 stories, 44 feet 10 inches, 33 feet, 18x43 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Samuel Harting & Son, 20 East Johnson street, Philadelphia.

Residence, South side Byberry avenue, East of Academy road, \$7,000. Architect, private plans. Owner, Elizabeth Bradfield, Byberry and Academy road, Philadelphia. Frame, 2 stories, 28x28 feet, 8x6 feet, electric work. Contract awarded to Harry Goepel, 5619 North Third street, Philadelphia.

Residence, West side Bingham street, South of Levick street, Philadelphia, \$5,500. Architect, private plans. Owner, August Gross, 542 West Levick street, Philadelphia. Brick, 2

stories, 24x32 feet, pine floors, electric lighting. Contract awarded to A. Earl Barnes, 2044 Clementine street, Philadelphia.

Apartment House (add. and alts.), 105 North Sixty-third street, Philadelphia, \$6,000. Architect, private plans. Owner, John Spaltio, on premises. General alterations and addition. Contract awarded to Pasquale Proscino, Sixty-fifth and Media streets, Philadelphia.

Manufacturing Building, Northwest Corner Third and Wingohocking streets, \$35,000. Owners, Columbia Steel Equipment Co., on premises. Brick, 2 stories, 97 feet 9 inches x 70 feet, cement floors, electric light, steam heat, steel sash. Contract awarded to H. H. Wehmeyer, 509 West Cumberland street, Philadelphia.

Residence, 1023 Shelmire street, Philadelphia, \$5,800. Architect, private plans. Owner, Benjamin Rose, 7619 Verree road, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded Cassalia & Duffy, Watson and Napfle streets, Philadelphia.

Residence, Northwest Corner Eighty-second and Crothers avenue, Philadelphia, \$5,000. Architect, private plans. Owner, C. Rochlis, Eighty-second and Crothers avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, electric work. Contract awarded to John McEnhill, 8311 Tinicum avenue, Philadelphia.

Residence (add.), 648 East Cheltenham avenue, Philadelphia, \$2,600. Architect, private plans. Owner, Dr. H. Kanders, Cheltenham and McMahon avenues, Philadelphia. Brick, 1 story add., 9x9 feet. Contract awarded Ramos & Wiggins, 732 South Fifty-first street, Philadelphia.

Residence (add.), 636 Elkins avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Erik Jansson, 636 Elkins avenue, Philadelphia. Brick, 2 stories add., 15x10 feet. Contract awarded to Frank H. Fitt, 5753 North Fifth street, Philadelphia.

Residence (alts.), 5700 North Fifth street, Philadelphia, \$2,000. Architect, private plans. Owner, C. Edward Bruan, on premises. General alterations. Contract awarded to Frank H. Fitt, 5753 North Fifth street, Philadelphia.

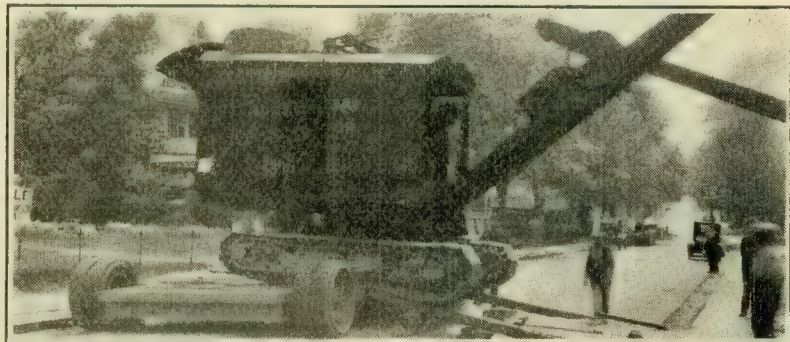
Apartment House, Northwest Corner Forty-seventh and Warrington avenue, Philadelphia, \$120,000. Owners, Brown & Sons, 145 Fairmount avenue, Philadelphia. Brick, 4 stories, 48 feet 8 inches, 77 feet 6 inches, 139 feet 6 inches x 32 feet, slag roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to A. Brown, 145 Fairmount avenue, Philadelphia.

Storage Building, Northeast Corner Richmond and Kennedy streets, \$26,000. Architect, Charles A. Blatchley, Drexel Building, Philadelphia. Owners, Charles Lennig Co., Inc., on premises. Brick, 1 story, 70x155 feet. Contract awarded to A. Raymond Raff Co., 1635 West Thompson street, Philadelphia.

Club (repairs), 1315-17 Spruce street, Philadelphia, \$20,000. Owners, Engineers' Club, on premises. General fire repairs. Contract awarded to John N. Gill Const. Co., 121 North Broad street, Philadelphia.

Neighborhood House (alts.), Second street above Market street, Philadelphia, \$5,000. Ar-

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

chitect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Christ Church, on premises. Metal lath, iron stairways, plastering, carpentry, mill work, painting, glazing, mastic floors, concrete and cement work. Contract awarded to J. S. Rogers Co., Drexel Building, Philadelphia.

Garage, 2510-12 Thompson street, Philadelphia, \$4,500. Architect, private plans. Owner, Samuel Parvis, 2634 West Master street, Philadelphia. Brick, 1 story, 32x80 feet, slag roof, cement floors, electric work. Contract awarded to H. McGlathery, 2306 North Twenty-sixth street, Philadelphia.

Residence (add.), 1416-18-20 South Bouvier street, Philadelphia, \$3,000. Architect, private plans. Owner, Thility A. Tenaglia, Northeast Corner Sixteenth and Dickinson streets. Brick, 2 stories, 11x12 feet. Contract awarded to John A. Sonshine, 1608 Dickinson street, Philadelphia.

Residence, Henry Road and Coulter Street, Queen Lane Manor, Philadelphia. Architect, Charles S. Parker, 5018 Schuyler Street, Philadelphia. Owner, Wm. Nusbickel, Jr., 26th and Sedgley streets, Philadelphia. Stone, 2½ stories, 28x39 feet, hardwood floors, electric light, tile work, hot water heat. Contract awarded W. L. Davenport, 1519 North 58th street, Philadelphia.

Laundry (add.), 2422 Cedar street, Philadelphia. \$5,000. Owner, I. Cherin, 2320 Cedar Avenue, Philadelphia. Brick, 1 story, 38x44 feet, general alterations. Contract awarded H. M. Shandles, 617 Pine street, Philadelphia.

Pennsylvania Construction News

Rectory and Convent (alts.), Glenolden, Pa. Architect, Peter F. Getz, Victory Bldg., Philadelphia. Owner, St. George Roman Catholic Church, Rev. G. E. Orr, Glenolden, Pa. Architect taking bids due July 1st at noon.

Residence and Garage, Sugartown Road, Devon, Pa. Architect, Seeburger and Rabenold, 1520 Chestnut Street, Philadelphia. Owner, J. B. Jardella, Jr., Packard Building, Philadelphia. Architect taking bids due July 8th.

Paving, Upper Darby, Pa. Owner, Commissioners of Haverford Township, A. C. Williams, Oakmont, Pa. Approximately 9540 square yards, reinforced concrete pavement, 39085 square yards concrete base, alternate bid 4980 square yards concrete base, and 15 inch bituminous concrete base, approximately 44065 square yards bituminous concrete surface, 20000 cubic yards grading. Certified check \$500. Deposit \$10. Refund \$10. Send bids to E. R. Tatnall, Chairman of Highway Committee. Owner taking bids due July 6th at 4.30 P. M. (D. S. T.).

High and Grade School, Brownstown, Pa. Architect, H. Y. Shaub, 20½ North Queen St., Lancaster, Pa. Owners, West Earl Township School Board, H. Stauffer, President, Farmersville, Pa. Brick, steel, 1 story and basement, 60x100 feet, composition roof, gum floors, hollow tile, safety treads, tile work, (heating, plumbing, electric, separate). Owners taking bids due June 30th at noon.

School (add.), Stroudsburg, Pa. Architects, Hasness and Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of

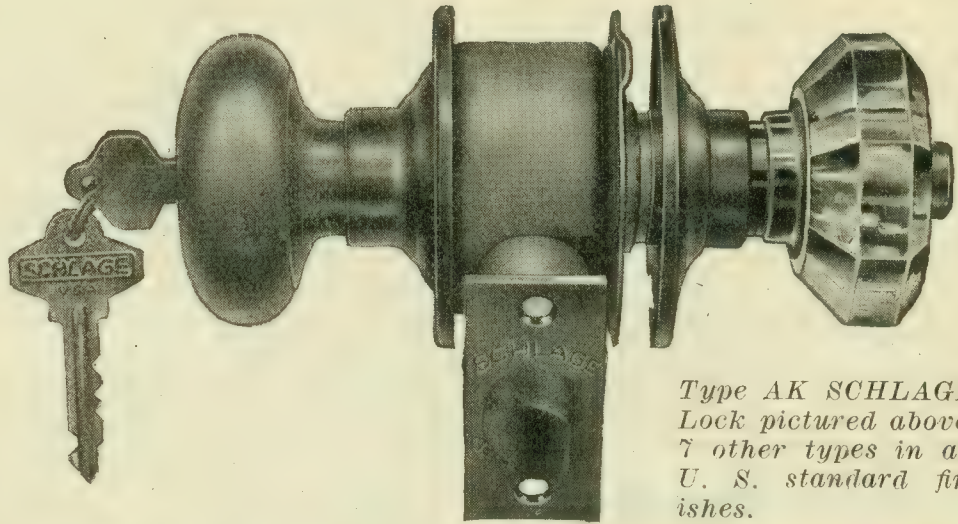
Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900



Type AK SCHLAGE
Lock pictured above,
7 other types in all
U. S. standard finishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Stroudsburg, B. F. Morey, Stroudsburg, Pa. All bids rejected.

Home, Kingston, Pa. Architect, L. V. Lacey, Kingston, Pa. Owners, American Legion Home, care of architect. Brick, 2 stories. Preliminary sketches in progress.

Store and Apartment, Forty Fort, Pa. Architect, T. A. Atherton, Coal Exchange Building, Wilkes-Barre, Pa. Owner, W. J. Stroh, 1282 Wyoming avenue, Forty Fort, Pa. Concrete block, brick, steel, 2 stories, 32x80 feet, slag roof, hardwood floors, electric light, tile work. Plans in progress.

Power House, Carbondale, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, E. J. Healy, 5 North Main street, Carbondale,

Pa. Brick, concrete, steel, 1 story, 45x50 feet, concrete floors. Plans in progress.

Sales and Service Building, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Klein Motor Co., 12 North Eleventh street, Allentown, Pa. Fireproof, 1 story, 85x220 feet, slag roof, concrete floors, dampproofing, waterproofing, ornamental iron, steel sash, tile, electric work. Plans in progress.

Club, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Allentown Women's Club, care of architects. Brick, steel, 2½ stories, 50x110 feet, slate roof, hardwood floors, electric light, tile work. Plans in progress.

Residence, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, John Norris Child, care of architect. Stone, 2½ stories, slate roof, hardwood floors, hot water heat. Plans in progress.

Hospital, Carbondale, Pa. Owners, Carbondale General Hospital, Dr. J. S. Niles, president of staff, Carbondale, Pa. Architect not selected. Work contemplated.

Hospital, Scranton, Pa. Owners, State Hospital, I. E. Oppenheim, Mulberry and Franklin avenue, Scranton, Pa. Architect not selected. Work contemplated.

Club House (alts.), Washington avenue, Scranton, Pa., \$50,000. Architects, E. H. Davis and George M. D. Lewis, Board of Trade Building, Scranton, Pa. Owners, Scranton Club, H. Conrad, 715 North Irving street, Scranton, Pa. Brick, 3 stories. Preliminary plans in progress.

St. Mary Keller Hospital (add.), Scranton, Pa. Architect, H. A. Duckworth, 711 Linden street, Scranton, Pa. Owners, St. Mary's Keller Memorial Hospital, Rev. Peter Christ, 421 Hickory street, Scranton, Pa. Brick, 1 story. Plans in progress.

Bank Building (alts. and add.), Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, First National Bank Building, J. D. Zouck, Hanover, Pa. Marble, 1 story. Preliminary plans in progress.

Nurses' Home, Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, General Hospital, C. Y. Brough, Hanover, Pa. Brick, 3 stories. Preliminary plans in progress.

Theatre (moving picture), Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Shepherd & Meyers Co., Hanover, Pa. Brick, 1 story. Preliminary plans in progress.

Residence Development (500), Springfield, Pa. Owner, J. J. Dougherty, Upper Darby, Pa. Various types, size and materials. Work contemplated.

Church, Jefferson avenue, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Board of Trade Building, Scranton, Pa. Owners, St. John's Lutheran Church, care of architects. Steel, oak floors, hollow tile, general alterations. Architects will be ready for bids first of next week.

Residence, Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owner, Charles H. Genter, Connell Building, Scranton, Pa. Frame, 2½ stories, 32x45 feet, asbestos shingle roof, hardwood floors, oil burners, electric light, tile work. Owner and architect ready for bids.

Apartment House, Bywood avenue, Beverly Hills, Pa. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owners, Brown Realty Co., 23 South Sixteenth street, Philadelphia. Brick, stone, 3 stories, 50x110 feet, 18 apartments, slag roof, hardwood floors, vapor heat, electric light, tile work, incinerator, kitchen and laundry equipment. Owners will build and are ready for sub-bids.

Residence, Wallingford, Pa. Architects, De Armond, Ashmead and Bickley, 20 South Fifteenth street, Philadelphia. Owner, Herbert T. Bassett, Wallingford, Pa. Hollow tile, stucco, 2½ stories, 37x26 feet, vapor heat, shingle roof, hardwood floors, electric light, tile work. Plans in progress. Architect will sub-let.

Twin Residence, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owner, Granville Rehrig, 26 North Twentieth street, Allentown, Pa. Brick, 2½ stories, 22x36 feet, slate roof, hardwood floors, tile work, electric light. Architects ready for bids in ten days.

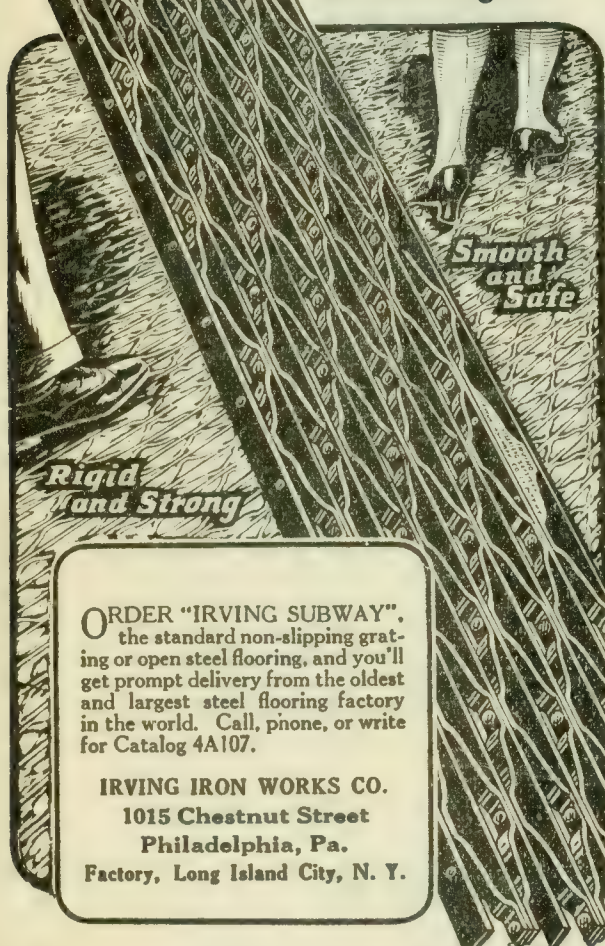
Bank, South Side, Scranton, Pa. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Electric City Bank, 301 North Main street, Scranton, Pa. Steel, limestone, brick, 1 and 1½ stories, 27x100 feet, Barrett roof, metal window guards, casement windows, ornamental iron, tile and marble, electric light. Architect will be ready for bids next week.

Fraternity House, State College, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Theta Kappa Phi Fraternity, State College, Pa. Stone, steel, 3 stories, 120x34 feet, slate roof, oak floors, cut stone, iron stairs, tile work, electric light. Ready for revised bids.

School, Penn avenue, Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, St. Paul's Roman Catholic Church, Rev. J. V. Hussie, 1510 Penn avenue, Scranton, Pa. Brick, cinder block, 3 stories, 93x137 feet, Barrett roof, composition floors, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, bond, skylights (heating, plumbing and electric separate). Owners ready for bids.

Consolidated School, Cornwall, Lebanon County, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, School District of Cornwall, Cornwall, Lebanon County, Pa. Brick, reinforced concrete, cut stone, 2 stories and basement, 219x130 feet (plumbing, heating, electric separate), slate and composition roof, cement, maple and pine floors, hollow tile, metal lath, rolled steel skylights, hollow metal doors, bond, iron stairs, ornamental iron work, area gratings, roof ventilators, waterproofing and dampproofing, architectural terra cotta. Owners taking bids due July 8th.

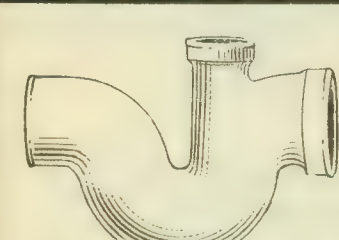
Always-When You Need Gratings —



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING FLOORING



When you want Prompt Service, Intelligent Co-operation and Reliable
SEWER PIPE, FLUE LINING, WALL COPING
CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Residence (alts. and add.), Ogden avenue, East Swarthmore avenue, Swarthmore, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owner, W. Finlay Downs, on premises. Stone, steel, 2 stories and basement, 16x28 feet, wing 12x40 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, bond, ornamental iron work. Architect taking bids due July 1st at noon.

Industrial Building, near Bridgeport, Pa., Upper Merion Township, Pa. Architects, Franklin & Conner, Otis Building, Philadelphia. Owners, Hutchinson Mfg. Co., Bridgeport, Pa. Hollow tile, steel, concrete, 1 story, 140x90 feet, slag roof (heating, electric reserved), cement and pine floors, hollow tile, plumbing, steel doors, rolled steel sash, ornamental iron work, wrought iron pipe. Architects taking bids due July 5th.

Building A and B Superstructure, Bryn Mawr, Pa. Architects, Zantlinger, Borie & Medary, Otis Building, Philadelphia. Owners, Bryn Mawr Hospital, W. Hinkle Smith, Liberty Bldg., Phila. Reinforced concrete, granite, brick, steel, 6 stories and basement, pent house, 150x46 feet, wing 82x48 feet, 206x44 feet, built-up roof, slate and composition roof, cement and oak floors, roof ventilators, waterproofing, dampproofing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, hollow metal sash, tin-clad and kalamein doors, bond, floor hardener, iron stairs, ornamental iron work, bronze work, area gratings, integral waterproofing, membrane-gypsum block partitions, mastic floors, dumb waiter, acoustical treatment. Contractors Stone & Webster, Real Estate Trust Building, Philadelphia, taking bids due June 30th.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Steckel Motor Co., Fairview & West streets, Allentown, Pa. Brick, steel, 1 story, 80x110 feet, built-up roof, concrete floors, roof ventilators, cast stone, floor hardener, steel sash, steam heat, electric light. Architects taking bids (revised) due as soon as possible.

Amusement Hall, Plymouth, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Polish Alliance of America, care of architect. Steel, brick, 3 stories, 63x129 feet, built-up roof, hardwood floors, hollow tile, ornamental iron, iron stairs, bond, kalamein doors, steel sash, tile and terrazzo, metal lath, electric work, steam heat. Architect taking bids due July 6th.

Hospital, Carbondale, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, 5 North Main street, Carbondale, Pa. Brick, steel, concrete, 5 stories, 42x200 feet, Barrett roof, concrete, linoleum and terrazzo floors, hollow tile, elevators and dumb waiters, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors, steel sash, tile and marble, metal lath, steam heat, electric light. Architect taking bids.

Residence (alts.), North Franklin street, Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Miss Annie Turrell, North Franklin street, Wilkes-Barre, Pa. Brick, 1 story, slate roof, hardwood floors, general alterations. Architects taking bids due June 30th.

Home, Mooreland road, Upper Dublin Township, Montgomery County, Pa. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Jewish Convalescent Home, a Constituent Member of the Federation of Jewish Charities, care of architect. Reinforced concrete, brick, 3 stories and basement, 195x36 feet, wing 91x52 feet, slag roof, cement floors, hollow tile, elevators, safety treads, metal weather strip, Onondago cast stone, metal toilet partitions, dumb waiters, ornamental iron work, hollow metal doors, tile and marble work, metal lath, electric light, oil burners, steam heat. Architect taking bids due July 7th.

Memorial Bridge, Unit No. 2, Harrisburg, Pa. Architects, S. Ross and William Gehron, 101 Park avenue, New York City. Engineers, J. E. Greiner Co., Lexington Building, Baltimore, Md. Owners, Memorial Bridge for Soldiers and Sailors, Harrisburg, Pa. Certified check, \$25,000, bond 50 per cent. Deposit, \$25, refund \$25. Owners taking bids due July 21st, 11 A. M. (Standard Time).

Parish House, Collingdale, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Trinity Church, Collingdale, Pa. Reinforced concrete, stone, brick, steel, 1 story, basement and gallery, 87x43 feet, green slate roof, composition floors, plumbing, steam heat, electric light, metal lath, rolled steel sash, bond, ornamental iron work, wrought iron pipe. Architect taking bids due July 5th.

Glen-Nor High School (add.), South avenue, Sylvan and Trieste avenue, Glenolden, Pa. Architect, Clarence W. Brazer, Crozer Building, Chester, Pa. Owners, Joint Board of Education, Glenolden and Norwood, F. H. Roberts, Glenolden, Pa. General, plumbing, electric. Owners taking bids due July 12th, 5 P. M., on revised plans. Certified check, \$2,500. Deposit, \$25. Refund, \$20. Bond.

Bank, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., Broad and Main streets, Bethlehem, Pa. Brick, steel, stone, 1 story, 16x94 feet, electric light, concrete roof, steel skylights, bronze, ornamental iron. Owners taking bids due July 6th.

Store, Chester, Pa. Architect, A. C. Coshland, Crozer Building, Chester, Pa. Owners, Propper Brothers, Chester, Pa. Architect taking bids due July 1st.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

EXPERT BLASTING

J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES

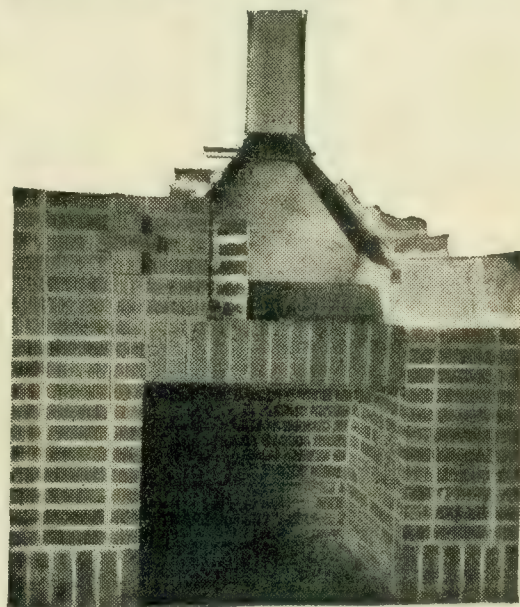
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

School No. 33, Quincey avenue, Scranton, Pa. Architect, A. P. Coon, Traders' Bank Building, Scranton, Pa. Owners, School Board of Scranton, J. Hughes, secretary, 425 North Washington street, Scranton, Pa. Brick, steel, fireproof, 3 stories, 30 rooms, slag roof, maple floors. Low bidders: Alimo Brothers, Pittston, Pa., \$280,000; S. Palumbo, Scranton, Pa., \$296,636; plumbing, E. A. Campagna, 818 West Lackawanna avenue, Scranton, Pa., \$11,039; heating, J. F. O'Hara, 1400 North Washington avenue, Scranton, \$48,060; electric, Barnes & Armbruster, 912 Myrtle street, Scranton, \$9,495.

School, Elmhurst, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Elmhurst School Board, G. A. Emery, Elmhurst, Pa. Brick, 1 story and basement, 56x70 feet, asphalt roof, pine floors, roof ventilators, safety treads (heating, plumbing, electric separate). Low bidder, Horace Heller, Stroudsburg, Pa.

Sidewalks, Linwood, Delaware County, Pa. Owners, Lower Chichester Township School Board, R. C. Morton, LiLnwood, Pa. Owners taking bids due July 6th, 7 P. M. (Standard Time). 200 feet 6-foot-wide concrete sidewalk, Huddell School.

Pump and Well, Springfield, Delaware County, Pa. Architects, Damon & Foster, 6932 West Chester pike, Upper Darby. Owners, Township of Springfield, J. Calden, Fire House, Springfield. Certified check, \$300. Owners taking bids due July 5th, 7 P. M. (Standard Time). Construction and installation pump, wells, force line, sewage pump, 200-gallon per minute capacity.

Trap Rock and Screening, Springfield, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners, Township of Springfield, J. Calder, Springfield, Pa. 1½-inch trap rock, trap rock screen, amiesite. Certified check, \$200. Owners taking bids due July 5th, 7 P. M. (Standard Time).

Repaving, Simpson street, Eddystone, Pa. Architects, Damon & Foster, Upper Darby, Pa. Owners, Borough of Eddystone, Pa., W. E. Eckel. Certified check, \$300. Owners taking bid due July 5th, 7 P. M.

Road Work, Pennsylvania. Low bidders: (June 23rd letting) Owners, Penna Dept. of Highways, Harrisburg, Pa.

Dauphin Co., R-140, Penbrook Boro. One course reinforced concrete. Continental Const. Co., Baltimore, Md., \$57,343.70.

Bers Co., R-157, S-1A, Ontelaunee and Maiden Creek Twps. One course reinforced concrete. Bryant & Kohl, Wilkes-Barre, Pa., \$99,910.40.

Fayette Co., R-117, Sec. 6, A-4366, Dunbar Twp. One course reinforced concrete. Brooke & McIntyre, Uniontown, Pa., \$99,981.86.

Berks Co., A-3842, Sec. 2-A, Rusecomb Manor Twp. and Rockland Twp. One course reinforced concrete. York Eng. & Const. Co., York, Pa., \$114,959.35.

Clinton Co., R-105-6, near Hyner in Chapman Twp. Rebuilding bridge. Concrete Steel Bridge Co., Clarksburg, W. Va., \$299,531.95.

Lycoming Co., R-20, over Lycoming Creek, Ill Lycoming and Loyalsoek Twps., 2 plate girder span bridges. A. W. Hinaman Const. Co., Williamsport, Pa., \$43,268.44.

Cambria Co., R-276-R, Cresson Twp. One course reinforced concrete. Clark Bros., Cherry Tree, Pa., \$23,646.82.

Monroe Co., A-3750-A, Jackson Twp., bituminous surface treated macadam sur. course. Lane Const. Co., Meriden, Conn., \$50,211.83. (Rejected).

Lehigh Co., A-4564, Upper Saucon and Lower Milford Twp. One course reinforced concrete. Dalton Bros., Paoli, Pa., \$134,882.72.

Columbia Co., R-183, A-3365, Montour Twp. One course reinforced concrete. Vibond & Strite, Hollidaysburg, Pa., \$80,083.26.

Berks Co., R-381, A-3951, Exeter Twp. One course reinforced concrete. R. C. Richardson Const. Co., Scranton, Pa., (Rejected), \$45,457.60.

Jefferson Co., R-161, Sec. 3, East Norwegian Twp., St. Clair Boro. One course reinforced concrete. Pottsville Const. Co., Pottsville, Pa., \$99,785.84.

June 24th letting:

Berks Co., R-518, Sec. 2, A-4632, Cumru and Brecknock Twps. One course reinforced concrete. Bryant & Kohl, Wilkes-Barre, Pa., \$154,217.42.

Westmoreland Co., A-4539, Mt. Pleasant Twp. One course reinforced concrete. Mt. Pleasant Const. Co., Mt. Pleasant, Pa., \$32,349.08.

Perry and Juniata Counties, R-31, Greenwood and Delaware Twps., Millerstown Boro. One course reinforced concrete. Lord Const. Co., Hastings, Pa., \$224,191.58.

Dauphin Co., R-1, Middle Paxton Twp. One course reinforced concrete. Continental Const. Co., Baltimore, Md., \$48,464.60.

Road Work (2)

Lycoming Co., R-19, Bridge over Mundy Creek in Shrewsbury and Penn Twps. Alex. C. Bailey, Philipsburg, Pa., \$31,485.90.

Lancaster Co., R-215, East Lempeter Twp. One course reinforced concrete. Union Paving Co., 30th and Locust streets, Phila., Pa., \$219,395.83.

Erie Co., A-4710, Hill Creek Twp. One course reinforced concrete or bit. surface course on concrete base. Chas. W. Fry Const. Co., Erie, Pa., \$47,772.14.

Washington Co., A-4274, North Strahane Twp. One course reinforced concrete. D. W. Challis & Sons, Inc., Sewickley, Pa., \$120,947.33.

Susquehanna Co., R-468, A-4057, Apolacoon Twp., Little Meadows Boro. One course reinforced concrete. United Const. Co., Inc., Lock Haven, Pa., (gravel), \$144,059.45.

Washington Co., R-18, Sec. 1-A, Falowfield Twp. One course reinforced concrete. Jones Const. Co., Belleville, Pa., \$36,380.21.

Lycoming Co., R-20, Hepburn Twp. One course reinforced concrete. United Const. Co., Inc., Lock Haven, Pa., \$30,523.10.

Franklin Co., R-35-36, Chambersburg Boro. One course reinforced concrete. Geo. I. Thompson Co., Clearfield, Pa., \$115,968.44.

Berks Co., A-4568, 69, 4570-71, W. Reading, Wyomissing and Shillington Boroughs, Cumru Twp. One course reinforced concrete. Wm. B. Sheidy, Wyomissing, Pa., \$105,667.06.

Schuylkill Co., R-162, Sec. 2, Rahn Twp. One course reinforced concrete. Rudolph & Delano, Tamaqua, Pa., \$68,858.93.

Pennsylvania Contracts Awarded

High School, Stroudsburg, Pa. Architects, Hasness and Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, B. F. Morey, Stroudsburg, Pa. Fireproof, 2 stories, 26 rooms, Barrett roof, pine floors, metal lath. Contract awarded to W. E. Bushey, Lemoyne, Pa., \$202,108. Plumbing to E. E. Hartman, Stroudsburg, Pa., \$10,000. Electric to C. M. Davis, Harrisburg, Pa., \$7,185. Heating and ventilating rejected.

Grade School, Stroudsburg, Pa. Architects, Hasness and Albright, 213 Walnut street, Harrisburg, Pa. Owners, School District of Stroudsburg, B. F. Morey, Stroudsburg, Pa. Brick, 2 stories, 12 rooms, Barrett roof, pine floors, metal lath. Contract awarded to W. E. Bushey, Lemoyne, Pa., \$77,667. Plumbing

to H. C. Archibalo, Stroudsburg, Pa., \$3,652. Electrical to Matthew Kine, Stroudsburg, Pa., \$1,600. Heating and ventilating bids rejected.

School, Upland, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Board of Education, C. R. Buck, Upland, Pa. Brick, steel, 2 stories and basement, 59x85 feet (plumbing, heating, electric separate), asphalt shingle roof, metal lath, rolled steel sash, fire and kalamein doors, bond, iron stairs, ornamental iron work, metal ceilings, roof ventilators. Contract awarded J. M. Holden, Chester, Pa., \$30,264.

Sunday School, Pottstown, Pa. Architects, Albert N. Dobbins and H. Cain, 1718 Cherry street, Philadelphia. Owners, First Methodist Episcopal Church, Pottstown, Pa. Stone, cinder block, 2 stories, 30x65 feet, 1 story, 30x63 feet. Contract awarded F. H. Keiser, Pottstown, Pa.

Residence, Allentown, Pa. Architect, David Levy, 949 Hamilton street, Allentown, Pa. Owner, I. J. Kohler, care of architect. Brick, 2½ stories, 30x45 feet, tile roof, hardwood floors, vapor heat, electric light, tile work. Contract awarded to Frank Yeakel, 711½ North Twelfth street, Allentown.

Residence and Garage, Brockway and Merion roads, Merion, Pa. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street. Owner, R. P. Purchase, Bourse, Philadelphia. Stone, 2½ stories and basement, 45x51 feet, garage, 22x23 feet (plumbing, heating, electric, oak floors, tile and marble work reserved). Contract awarded Thomts C. Trafford, 2339 North Fifteenth street, Philadelphia.

Nurses' Home, Retreat, Pa. Architect, Austin Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Central Poor District, Retreat, Pa. Brick, concrete block, steel, stucco, 3 stories, 39x59 feet, asphalt roof, pine floors, terra cotta, iron stairs, kalamein doors marble and terrazzo work, vacuum heat (heating, plumbing and electric separate). Contract awarded to Nanticoke Const. Co., Nanticoke, Pa.

Office Building, Carbondale, Pa. Owners, Delaware and Hudson Railroad, Carbondale, Pa. Brick, 2 stories, 35x90 feet. Contract awarded to Joseph Holt, Carbondale, Pa.

Paving, Main street, Cobb's Creek to Tenth street, Darby, \$118,000. Owners, Township of Darby, Darby, Pa. Concrete and split block, concrete base. Greenway avenue. Contract awarded Union Paving Co., Thirtieth and Locust streets, Philadelphia.

New Jersey Construction News

Bank and Office Building, Northwest corner State and Broad streets, Trenton, N. J. Architects, York and Sawyer, 100 E. 42nd St., New York. Owners, First National Bank, Arthur H. Wood, President, 34 E. State St., Trenton, N. J. Architects selected. Work contemplated.

Electric Tower, Stores and Apartments, Pinewald, N. J. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, Professor L. W. McClenahan, care of architect. Preliminary plans in progress.

Stores (4), Office Building, Camden, N. J. Architect, Arnold H. Moses, Camden, N. J. Owner, Michael Maloney, 1021 South Sixtieth street, Philadelphia. Brick, 2 stories. Plans in progress.

City Hall, Cambridge and Atlantic avenues, Ventnor, N. J., \$500,000. Architect, not yet selected. Owners, City of Ventnor, Carleton E. Adams, City Hall, Ventnor, N. J. Work contemplated.

Dining Hall and Recreation Hall, Trenton,

N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Independent Order of Odd Fellows of New Jersey, care of architect. Brick, 2½ and 1 stories, 76x28 feet, 28x44 feet, slag roof, electric light. Plans in progress.

Residence, Magill avenue, West Collingswood, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Judge Frank F. Neutze, Third and Market streets, Camden, N. J. Weatherboard, 2½ stories, 26x40 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Sketches in progress.

Club House, Barnegat Bay, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Barnegat Bay Corp., 1411 Walnut street, Philadelphia. Frame, 2 stories, irregular size. Sketches in progress.

Fire House, Powell and Stiles streets, Gloucester, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Gloucester County, H. H. Wilson, 800 Hunter street, Gloucester, N. J. Brick, 2 stories, 40x30 feet, slate roof, concrete and pine floors, electric light. Plans in progress.

Drafting Room, South Sixth street, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, S. H. Langston Co., Sixth and Jefferson streets, Camden, N. J. Brick, 2 stories, 30x24 feet, slag roof, pine floors, heating extension, steel sash. Plans in progress.

Round House, Second and Clinton streets, Camden, N. J., \$154,000. Architect, William H. Cookman, Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Two 159-foot reinforced concrete ash pits, two 100-foot reinforced concrete inspection pits; 750 tons reinforced concrete, 4-track wharf. Plans about completed. Owners will take bids in ten days.

Residence, Merchantville, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Robert O. Tims, 451 Newton avenue, Camden, N. J. Cinder block, stucco, 2 stories, 30x30 feet, asbestos roof, pine floors, hot water heat, electric light, tile work. Owner will build.

School, Somers Point, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Board of Education, City of Somers Point, J. Strang, president, Somers Point, N. J. Brick, semi-fireproof, 2 stories and basement, 150x104 feet, slag roof, concrete floors, roof ventilators, electric light, metal lath. Owners ready for bids.

Pier, Dance Hall and Exhibition Hall, Chelsea, N. J., \$5,000,000. Architect, Oscar Schmidt, Union Bank Building, Atlantic City, N. J. Owner, Charles R. Myers, Breakers Hotel, Atlantic City, N. J. Steel, cinder block, fireproof, 250x300 feet, 150x200 feet, gypsum block roof, concrete, maple and tile floors, electric light. Will be ready for bids in about six weeks.

Store Fronts (3), 715-19-21 Broadway, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Cast stone, brick, plate glass. Will be ready for bids at end of week.

Office, 225 Kaighn avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, name withheld. Brick, cast stone, 2 stories, 16x36 feet, slag roof, hot water heat, electric light. Will take bids at end of week.

Store (alts.), 2619 Westfield avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Shissias Brothers, on premises. Limestone, cinder block, 2 stories, slag roof, tread right floors, electric work, plate glass, wall finish. Architect ready for bids.

Residence, 3313 Mitchell street, Camden, N.

J., \$4,500. Architect, private plans. Owner, Edward Christopherson, 603 North Thirty-second street, Camden, N. J. Frame, 2 stories, 24x26 feet, rubberoid shingle roof, hot water heat, electric light. Permit issued.

Vocational School, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Theodore Kausel, president, and Munro Coulter, secretary, City Hall, Camden, N. J. Brick, steel, fireproof, 2 stories and basement, 310x148 feet, (5) shops, 62x100 feet, slag roof, maple, composition, cement, marble and terrazzo floors, hollow tile, freight elevators, roof ventilators, waterproofing and damp-proofing, cast stone, incinerators, bronze, area gratings, brass and wrought iron pipe, ornamental iron, iron stairs, floor hardener, bond, metal and fire doors, steel sash, marble and terrazzo, metal lath (heating, plumbing and electric separate). Owners will be ready for bids in middle of July.

Residences (15), Oaklyn, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, E. F. Bradley, La Cato avenue, Audubon, N. J. Brick, 2 stories, 17x30 feet, slag roof, pine floors, hot air heat, electric light, tile work. Owner taking sub-bids.

Church, Long Branch, N. J. Architect, Robert J. Reiley, 12 East Forty-first street, New York City. Owners, Star of the Sea Church, M. C. McCorriston, 101 Chelsea avenue, Long Branch, N. J. Stone, steel, cut stone, granite, limestone, 1 story and basement, 56x125 feet, slate roof, cement and oak floors, metal lath, tile, marble and terrazzo work, hollow metal sash, bond, floor hardener, ornamental iron work, area gratings, cinder concrete block. Owners taking bids due July 1st.

Garage and Distribution Building, Burlington, N. J. Engineers, Public Service Prod. Co., 80 Park Place, Newark, N. J. Owners, Public Service Gas & Electric Co., Newark, N. J. Brick, concrete, steel, cast stone, 3 stories and basement, 1 story and basement, 87x81 feet, 60x80 feet, slag roof, cement floors, hollow tile, plumbing, waterproofing, steam heat, electric light, rolled steel sash, metal lath, rolled steel skylights, fire doors, bond, ornamental iron work, iron pipe, area gratings, cinder concrete block, metal partitions. Owners taking bids due July 6th.

Town Hall, Linwood, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Borough of Linwood, care of architect. Brick, steel, 45x90 feet, slate roof. Architect taking bids due July 12th.

Office Building, 1209 Pacific avenue, Atlantic City, N. J. Architect, H. Hasenburger, 203 Atlantic County Trust Building, Atlantic City, N. J. Owners, 1209 Pacific Avenue Realty Co., Atlantic City, N. J. Brick, reinforced concrete, steel, granite, 8 stories and basement, 99x37 feet, slag roof, cement floors, hollow tile, waterproofing, ornamental iron work, iron stairs, steel doors, metal lath, marble work, bronze work, steel toilet partitions. Architect taking bids.

Battery B Armory Building, Lawrenceville, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, 1 story, 200x100 feet, 2 wings, 156x28 feet, 2 stories and basement, 92x25 feet, wing 26x27 feet. Low bidders: Edward LaRue, 53 South Hermitage avenue, Trenton, N. J., \$85,288; General Cont. & Const. Co., First National Bank Building, Trenton, N. J., \$86,250; plumbing, William G. Royer, 510 Stuyvesant avenue, Trenton, N. J., \$3,025; heating, Trenton Pl. & Heating Co., 366 South Broad street, Trenton, N. J., \$2,674; electric, Jackson Elec. Co., Forst Richey Building, Trenton, N. J., \$5,499.

School, Northfield, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Northfield School Board, Mr. Harman, Northfield, N. J. Steel, fireproof, 2 stories and basement, 58x160 feet, built-up roof, maple floors, hollow tile, safety treads, roof ventilators, iron stairs. Lowest bidder: J. H. Green, Pleasantville, N. J.

New Jersey Contracts Awarded

Theatre, Glassboro, N. J. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Penn-Jersey Amusement Co., care of architect. Brick, stone, steel, concrete block, 2 stories and basement, 115x273 feet, irregular. Contract awarded Stofflet & Tillotson, Wesley Building, Philadelphia.

Residence, Ventnor City, N. J. Architect, A. L. Brooks, Humphrey Building, Atlantic City, N. J. Owner, Thomas Graham, Ohio and Adriatic avenues, Atlantic City, N. J. Cinder block and stucco, 2½ stories, 26x65 feet, tile roof, hardwood floors, hot water heat, electric light, tile and marble, flagstone. Contract awarded to P. G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Gas and Comfort Station, Pinewald, N. J. Architect, H. L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owner, Ralph M. Bigelow, Pinewald, N. J. Contract awarded George J. O'Donnell, Pine Peach, N. J.

Church, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, All Saints' Church, care of architects. Stone, steel, 1 story and basement, 45x88 feet, slate roof, hardwood floors, hollow tile (heating, plumbing and electric separate), metal lath. Contract awarded to Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Apartment House, 2801-03 Westfield avenue, Camden, N. J., \$75,000. Architect, I. Demschick, 1703 Chestnut street, Philadelphia. Owners, Better Apartment Association, 5 East Maple avenue, Merchantville, N. J. Brick, 3 stories, 40x90 feet, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Contract awarded to William G. Mumaw, 301 Morse street, Camden, N. J.

Residences (2), 423-25 North Thirty-fourth street, Camden, N. J., \$8,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, D. J. Di Nunzio and Nicola Valerian, 513 Line street, Camden, N. J. Brick, 2 stories, 18x30 feet, slag roof, hot water heat, electric work. Contract awarded to Laurence J. Robinson, 107 Westmont avenue, Haddonfield, N. J.

Garages (25), rear 1020-38 Broadway, Camden, N. J., \$3,000. Architect, J. C. Jefferis, 312 Market street, Camden, N. J. Owner, Edward Schuster, 1038 Broadway, Camden, N. J. Block, 1 story, 8x16 feet, 18x18 feet, 22x24 feet, slate surface roof. Contract awarded to James Ashmen, 935 Coates avenue, Camden, N. J.

Office (add.), 518 Cooper street, Camden, N. J., \$2,000. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Eleanor De Fernemont, on premises. Block, 1 story add., 4 feet 9 inches x 18 feet, slag roof. Contract awarded to Fearn & Vorgtlin, 223 North Forty-first street, Camden, N. J.

Garage (add.), 513-19 Berkley street, Camden, N. J., \$13,000. Owners, Frehofer Baking Co., Twentieth and Indiana avenue, Philadelphia. Block, 1 story, 59x78 feet, slag roof, cement floors, electric work. Contract awarded to Lewis T. West, Fifth and Royden streets, Camden, N. J.

State Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover,

secretary, Broad Street Bank Building, Trenton, N. J. Route 18, Section 6, Lemoine Avenue Extension, Bergen County. Contract awarded to John J. McGarry, Edgewater, N. J., \$65,097.90.

Miscellaneous Construction News

Chapel, Frederick, Md., \$50,000. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Hood College, Dr. J. H. Apple, president, Frederick, Md. Brick, 2 stories. Work contemplated.

Dormitory Building, Frederick, Md., \$125,000. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Hood College, J. H. Apple, president, Frederick, Md. Brick, 4 stories. Plans in progress. Will be ready for bids about October 1st.

Gymnasium Building, Frederick, Md., \$100,000. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Hood College, Dr. J. H. Apple, Frederick, Md. Brick, 2 stories. Work contemplated.

Store Building (alts. and add.), 306 Market street, Wilmington, Del. Architect, Wallace E. Hance, Equitable Building, Wilmington, Del. Owners, Lippincott & Co., Inc., Wilmington, Del. New third floor, 20x87 feet, 3 stories, 40x20 feet, bond, cement work, brick work, structural steel, caulking, iron work, area gratings, steel sash, carpentry and mill work, pine and oak floors, plastic roof, asbestos built-up roof, metal ceilings, metal lath, plastering, painting and glazing (plumbing, heating and electric reserved). Architect taking bids due June 30th.

Residences (2), Sixteenth and Union streets, Wilmington, Del. Architect, John A.

McKibbin, Industrial Trust Building, Wilmington, Del. Owner, Peter A. Harty, Ford Building, Wilmington, Del. Brick, 20x30 feet, hot water heat, electric light, oak floors, tile work. Plans in progress. Owner will take bids July 1st.

Garage, Sales and Service Building, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington. Owners, S. Cantera & Son, Eighth and Lincoln streets, Wilmington, Del. Structural steel, brick, concrete, 1 seory, 75x208 feet, steel sash, steel vault door and frame, Spanish tile roof, metal skylights, steam heat, electric light. Owners will build. Will start work next month.

Apartment (4) (alts. and add.) and Garages, 1311 Washington street, Wilmington, Del. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, Walter C. Deputy, 105 West Fourth street, Wilmington, Del. Interior alterations, oak floors, electric work, hot water heat, tile work, fire escapes, slate, tin and composition roofs. Owner will build.

Headquarters Buildings (2) and Company Barracks (4), Fort Humphreys, Va. Architect, Construction Engineer, Office of Quartermaster, Washington, D. C. Owners, United States Army, United States Government, Washington, D. C. Concrete, brick, steel, 2 stories and basement, 170x47 feet, slate roof, built-up roof, mastic, cement and pine floors, hollow tile, plumbing, waterproofing, metal toilet partitions, wrought iron pipe, brass pipe, ornamental iron work, iron stairs, bond, rolled steel sash, electric light, hot water heat, metal toilet partitions. Owners taking bids due July 5th.

The impractical dreamers are not the architects, but the clients themselves, as a rule.

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

A certain wallboard man advertised in the Guide for awhile and then dropped out. We've had a dozen inquiries since then, asking for his address—every inquiry from a cash buyer. This is a common occurrence. It's hard to make some advertisers see the vital importance of a standing "ad."

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

That plan of the king in olden times who killed the messenger who brought him bad news has my approval. Blessed are those who bring glad tidings! If you cannot write a good letter—don't!—Elbert Hubbard.

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.

Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING

Libman, S. 831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co. 617 Filbert St., Phila.

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Phila. Building Material Co. 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

Lee T. Ward Co. 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Chelton Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Chelton Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

After a Fire

you'll find no satisfaction in figuring up the amount of insurance you should have had.

But there's a lot of satisfaction in knowing that your property as it stands today is fully covered by dependable fire insurance.

Our policies are backed by a 135 year record of obligations promptly met. Your agent or broker can get you a North America policy.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

The Concrete Pit in this Building is Below Tide Water—But
"ANTI-HYDRO" Keeps It Dry



Extreme conditions surround the sterilizing pit in this building. Unusual water pressure on the outside and acid fumes on the inside.

This pit is permanently hardened and waterproofed with "ANTI-HYDRO," which also protects the concrete from the deteriorating effects of the acid. In one operation "ANTI-HYDRO" hardens and waterproofs concrete and makes it acid, alkali and oil resisting.

Being a liquid integral compound, "ANTI-HYDRO" is extremely easy to use. Simply mix it with the gauging water. No skilled labor is required. Results are *guaranteed permanent*.

Twenty-three years of successful use is your assurance of satisfaction. Use "ANTI-HYDRO" on your next job.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Keystone 'Phone :
West 2568

JOHN NACEY CO.

7254 Paschall Avenue, Philadelphia

Bell 'Phone :
Woodland 4618

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES

AND

SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 27
July 6, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR

PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

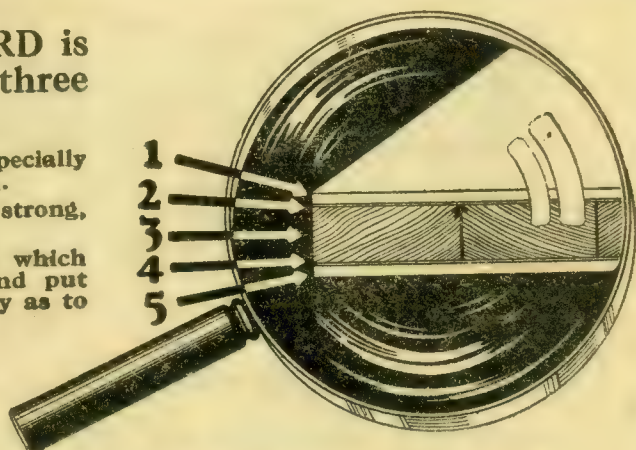
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

Price—

A stumbling block all concerns fall
over when they try to give first-class
material, real honest workmanship,
together with efficient service.

On your next ELECTRICAL JOB
think that over.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR

ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY

WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL

SAND

GRAVEL

SIEVES AND RIDDLES

STONE

ORE

COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982



ONE BAG TILTER NOW AT HALF BAG PRICE

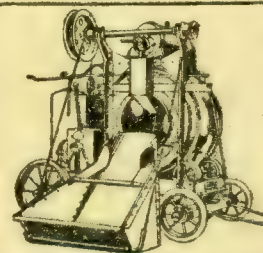
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

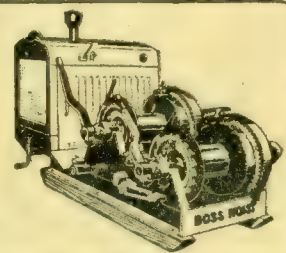
ING

\$135

UP

FORDSON

WINCHES



**LOW PRESSURE
Electric Refrigeration
by
Welsbach**

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Base-
ment Windows for Residences
are the modern windows for
the modern house.

Large choice of sizes for immediate
deliveries. Write for literature.

*Lupton makes a steel window for
every type of building*

Phone, write or wire large and small orders

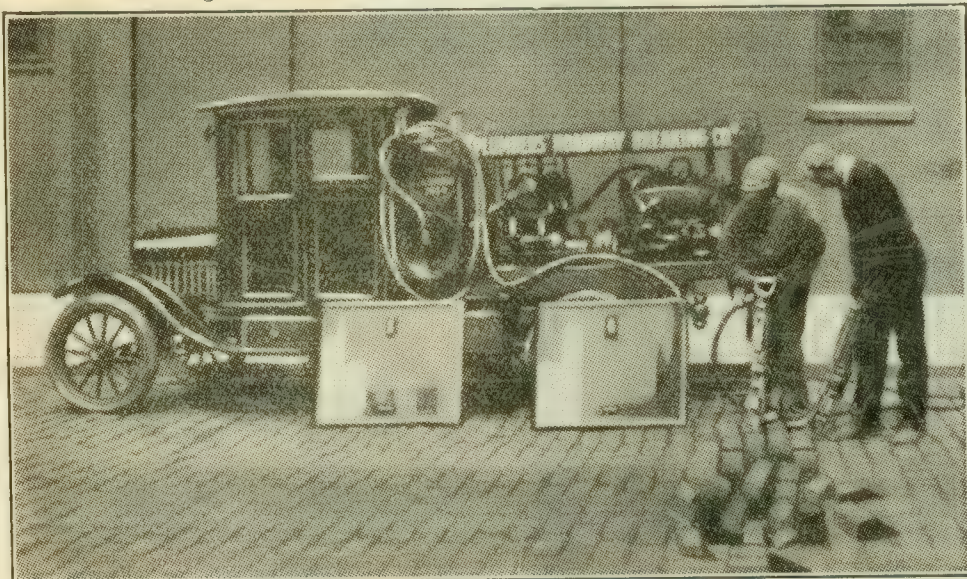
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

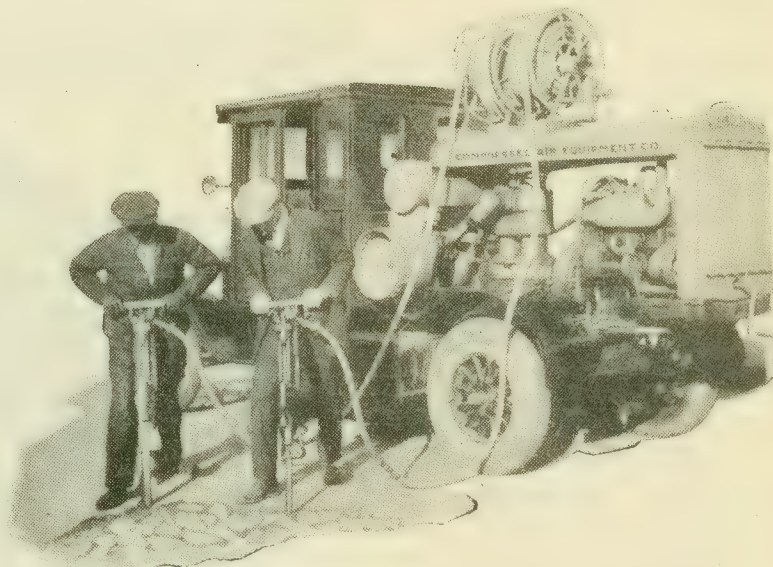
Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448

BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

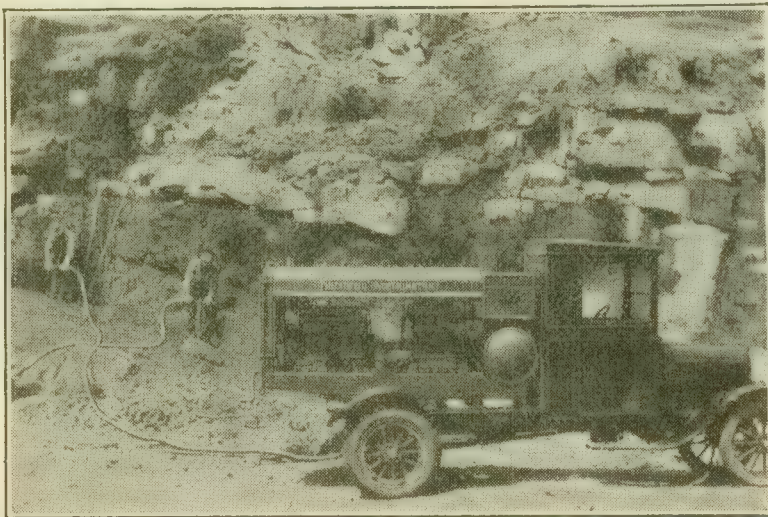
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 27

July 6, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Service Station, Forty-ninth, Fiftieth and Haverford Avenue, Philadelphia. Architect, private plans. Owners, Gulf Refining Co., Sydenham and Locust streets, Philadelphia. Plans in progress.

Store, Pool Room and Bowling Alley, 6174-80 Ridge avenue. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, D. R. McKimmie, care of Mutual Trust Co., 1518 Walnut street. Brick, 2 stories and basement. Plans in progress.

Manufacturing Building, Southwest Corner Nineteenth and Buttonwood streets, Philadelphia. Engineer, W. O. Moyer, 260 Eleventh avenue, New York. Owners, Otis Elevator Co., Sixteenth and Sansom streets, Philadelphia. Brick, steel and concrete, 3 stories, 60x162 feet. Plans in progress. Will be ready for bids in one month.

Residences (21), Maywood street above Locomotive avenue, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Alfred Lechler, 3705 Old York road, Philadelphia. Brick, 2 stories, 15x36 feet, slate and slag roof, hardwood floors, electric light, hot water heat, metal lath, tile work. Owner ready for sub-bids in a week.

Alterations and Addition, 2825 Girard avenue, Philadelphia. Architect, W. H. Wooters, 816 West Allegheny avenue, Philadelphia. Owners, George A. Leins, on premises. Carpentry and mill work, electric light, hot water heat, tile and marble work, mill work,

plate glass, metal bulks, plate glass, steel sash, pine floors. Owner taking bids.

Administration Building, Southeast Corner Broad and Grange streets, Philadelphia. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Brick, steel, limestone, granite, 2 stories and 2 basements, 112x128 feet (plumbing, heating, electric separate), slag roof, cement floors, architectural terra cotta, marble work, rolled steel sash, bond, ornamental iron work. Owners taking bids due July 14th.

Community Building, 508 Moore street, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Assoc. Talmud Torahs, care of L. E. Levinthal, Bankers' Trust Building, Philadelphia. Reinforced concrete, brick, limestone, 2 stories, 47x115 feet, slag roof, maple floors, vapor heat, electric light, tile and marble work, rolled steel sash, kalamein doors. Architect taking bids due July 14th.

Service Station, Thirty-second and Ridge avenue, Philadelphia. Architect, private plans. Owners, Pure Oil Co., Widener Building, Philadelphia. Brick, steel, 1 story, 11x18 feet, shingle tile roof, cement floors, plumbing, electric light, metal lath, bond. Owners taking bids due July 7th.

Warehouse, Fifty-eighth and Schuylkill River, Philadelphia. Owners, United States Gypsum Co., 300 West Adam street, Chicago, Ill. Brick, steel, 1 story, 200x60 feet, built-up gypsum roof, cement floors, Ancola heat, elec-

tric light, wood piling, demolition, plumbing. Owners taking bids due as soon as possible.

Equipment, Forty-third and Kingsessing avenue, Philadelphia. Owners, Department of Public Safety, Electrical Department, 215 City Hall, Phila. Certified check, 5 per cent. Owners taking bids due July 26th, 11 A. M. (Standard Time).

Residences (92), McKinley and Battersby streets, Philadelphia, \$227,000. Architect, private plans. Owners, McKinley Homes, Inc., McKinley and Battersby streets, Philadelphia. Brick, 2 stories, 16x36 feet and 15x27 feet, 10x9 feet, slag roof, pine floors, electric light, hot water heat. Permit issued.

Residences (3), 6800-04-04½ Torresdale avenue, Philadelphia, \$25,000. Architect, Samuel D. Milnor, 4616 Frankford avenue, Philadelphia. Owner, Margaret Cramer, 6802 Torresdale avenue, Philadelphia. Brick, 2 stories, 18x18 feet, 14x38 feet, hot water heat, electric light, hardwood and pine floors. Permit issued.

Residence, East side Bingham street, North of Cottman street, Philadelphia, \$5,000. Architect, private plans. Owner, Harry Gorelick, 2427 Douglass street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, 4506 Salmon street, Philadelphia, \$4,500. Architect, private plans. Owner, S. Siatkowski, 2344 Orthodox street, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

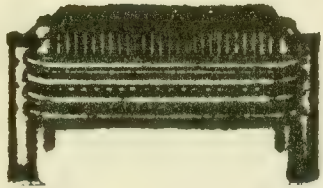
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



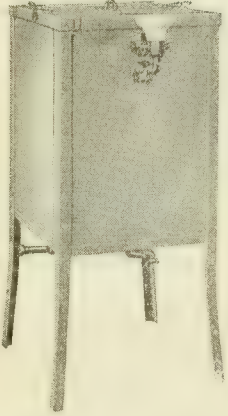
FOR

**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

pine floors, hot water heat, electric light. Permit issued.

Apartment House, 111 East Gorgas lane, Philadelphia, \$90,000. Architects, Stetler & Deysher, 709 Chestnut street, Philadelphia. Owner, Richard Hannigan, 6050 Girard avenue, Philadelphia. Brick, 4 stories, 38x32 feet 6 inches, 50x23 feet 6 inches, slag roof, hardwood and pine floors, electric light, tile work. Permit issued.

Residences (20), South side Robbins avenue, West of Hawthorn street, Philadelphia, \$90,000. Architect, private plans. Owner, Joseph Sidewater, 1211 Chestnut street, Philadelphia. Brick, 2 stories, 15x26 feet 7 inches, 11 feet 4 inches x 9 feet 5 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Stable, 515 West Sedgwick street, Philadelphia, \$4,000. Architect, private plans. Owner, W. L. Ross, on premises. Brick, 1 story, 40x52 feet. Permit issued.

Apartment House, 4607-09 Cedar avenue, Philadelphia, \$80,000. Architect, private plans. Owners, North Ninth Street Realty Co., Inc., 4901 North Ninth street, Philadelphia. Brick, 3 stories, 58x21 feet, 42x93 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, rear of 2521 South Seventy-first street, Philadelphia, \$2,000. Architect, private plans. Owner, Jessie T. Baker, 5123 Woodland avenue, Philadelphia. Brick, 1 story, 55x20 feet, slag roof, cement floors, electric light. Permit issued.

Residences (32), Euclid avenue, West of Fifty-third street, Philadelphia, \$112,000. Architect, private plans. Owner, K. K. Kaiserman, 1537 Bankers' Trust Building, Philadelphia. Brick, 2 stories, 15x27 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (15), Palethorp street, North of Godfrey avenue, Philadelphia, \$52,500. Architect, private plans. Owners, Kuhn & Lowery, Fifth and Rockland streets, Philadelphia. Brick, 2 stories, 16x25 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence and Stores (3), Euclid avenue, East of George's lane, \$14,000. Architect, private plans. Owner, K. K. Kaiserman, Bankers' Trust Building, Philadelphia. Brick, 3 stories, 16x47 feet, slag roof, hot water heat, electric light. Permit issued.

Garage, Tulip St., N. of Howarth St., Phila., \$2,500. Owners, Seneca Brothers, on premises. Brick, 1 story, 16x33 feet, cement floors. Contractor awarded L. Lombardi Bros., S. E. C. Wister and Wakefield Sts., Phila.

Manufacturing Building, 232 N. 11th street, Phila. Architect, LeRoy B. Rothschild, 215 S. Broad St., Phila. Owners, Manfg. Exe.

Realty Co., care of Wm. Goldstein, 1415 Locust St., Phila. Reinforced concrete 16 stories and basement, elevators, electric light. Plans ready.

Contract No. 169, Broad St. Subway, Phila. Owner, Dept. of City Transit, 1211 Chestnut street, Phila. Owner taking bids due July 14th, 11 A. M. (S. T.) Repaving Broad St., Noble to Stiles. Deposit \$10.00 refunded. Certified check 5%.

Elevation of Reading R. R., Chester Branch, 57th to Bow Creek, Phila. **Bridges (2)**, 61st and 75th streets, Phila., over Reading R. R. Owners, City of Phila. and Reading R. R., 12th and Market streets, Phila. Plans in progress.

Miscellaneous Work. Owner, Dept. of Public Work, Bur. of Water, 216 City Hall. Owner taking bids due July 14th, 11 A. M. (S. T.), Certified check 5%. No. 805 Electric work, Belmont Meech. Filters; No. 879, electrical material and equipment, Filter and Pumping Station; No. 884, concrete material, Lardners Pt. Pumping Station; No. 887 Furnish and deliver single nozzle fire hydrants; No. 888, extension of high pressure fire main, Sepviva street; No. 889, improvement to Wash water tank, Torresdale Filters.

Equipment, Phila. Architect, P. H. Johnson, Widener Bldg., Phila. Owner, Dept. of Public Health, Bureau of Hospital, City Hall. Owner taking bids due July 15th at noon. **General Hospital**, 34th and Pine streets, complete installation of new kitchen equipment, work appurtenant thereto, dining room and kitchen building, construction, plumbing, heating and electric. **Municipal Hospital**, 2nd and Luzerne streets, furnish and install electric fan and work appurtenant in laundry building, furnish and lay new roofing surface in all connecting corridors, plastering, soffit on concrete roof, and slab of same, waterproofing, repairing brick tiers, copper flashings, etc.

Residences (4), Wayne Avenue N. of Carpenter Lane, \$52,000. **Brick residences (2)**, Henley, N. of Carpenter La., Phila., \$22,000. Owner, Robert Killough, Wayne Ave. and Duval St., Phila. Brick, 2 stories, 17x25 feet; 21x17 feet, hot water heat, electric light, carpentry and mill work. Permit issued.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

Special Price for 30 days . \$80.00

on
"Weilco" Combined Transit and Level

Change from Level to Transit in five seconds

It will save you time and money and prevent costly mistakes.

Examine our complete line of Rebuilt Transits and Levels.

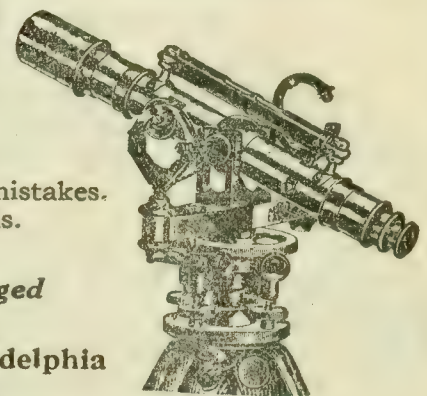
Write or Phone (Locust 5750), for Particulars.

Transits and Levels Rented, Bought, Sold and Exchanged

All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years



SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

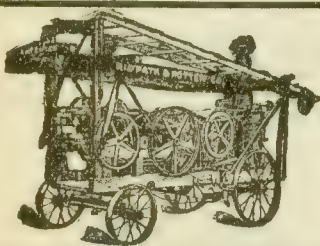
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



38% WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

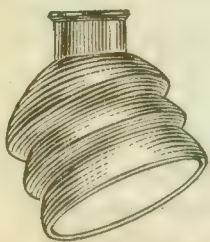


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Store and Recreation Building, Bridge street at Darrah street, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Forum Amusement Co., care of Flaherty & David, 5413 Frankford. Brick, steel, reinforced concrete, 1 story and basement, 244x108 feet, gypsum built-up roof, asbestos roof, cement and pine floors, hollow tile, roof ventilators, integral waterproofing, architectural terra cotta, cast stone, metal toilet partitions, ornamental iron work, floor hardener, iron stairs, bond, hollow metal doors, rolled steel sash and skylights, marble and terrazzo work. Contract awarded David Lutz & Co., Twenty-third and Chestnut streets, Philadelphia.

Residence, 21 Christian street, Philadelphia, \$23,000. Architect, private plans. Owners, Joseph and Mary Phillips, on premises. Brick, 3 stories and basement, 23x60 feet, slag roof, hot water heat, electric light, metal lath, tile work, cement, oak and maple floors. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia.

Bank Building, 1508 Walnut street, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Bioren & Co., 410 Chestnut street, Philadelphia. Brick, granite, cut stone, reinforced concrete, steel, 3 stories and basement, 162x26 feet, slag roof, cement floors, elevators, roof ventilators, plumbing, bluestone, ornamental iron work, iron pipe, bronze work, cinder concrete block, Zenethern leaded glass, steel toilet partitions, rubber floors, linoleum floors, iron stairs, hollow steel and kalamein doors, rolled steel sash and skylights, tile and marble work, oil burners, metal lath, electric light, vapor heat. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Residence (alts. and add.), Chestnut Hill, Pa. Architect, A. H. Broekie, 254 South Fifteenth street, Philadelphia. Owner, A. W. Thompson, on premises. Details undecided. Contract awarded John Morrow, 8624 Germantown avenue, Philadelphia.

School (add.), Holmesburg, Pa. Architect, G. C. Freeman, Reading, Pa. Owners, St. Dominic's Roman Catholic Church, Rev. D. Cardinal Dougherty, Eighteenth and Summer streets, Philadelphia. Stone, 2 stories and basement, 35x50 feet, slate roof, Duraflex and pine floors, steam heat, electric light, metal

lath, rolled steel skylights, dampproofing, iron stairs, ornamental iron work. Contract awarded Cody Const. Co., 4627 Frankford avenue, Philadelphia.

Store and Offices, 5300-02 Market street, Philadelphia, \$30,000. Architect, H. B. Weldon, 1817 Callowhill street, Philadelphia. Owner, Edward Calby, Fifty-third and Market streets, Philadelphia. Brick, cut stone, steel, limestone, 2 stories and basement, 35x82 feet, pine, maple and oak floors, asphalt roof, plumbing, metal ceilings, bluestone, galvanized iron pipe, metal lath, tile and marble, steam heat, electric light, sprinkler system, copper sash. Contract awarded to Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Store (alts. and add.), 7149 Germantown avenue, Philadelphia. Architect, Robert M. Reeve, 5539 North Third street, Philadelphia. Owner, Fred McFarland, on premises. Brick, concrete, stucco, 15x17 feet, pine and canvas roof, plumbing, metal ceilings, ornamental iron work, metal lath, tile work, electric light, hot water heat. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

School, Sixty-eighth and City Line, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Friends Central School, on premises. Frame, 2 stories. Contract awarded H. E. Grau Co., 2125 Cherry street.

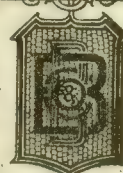
Alterations, 3 and 5 South Mole street, Philadelphia. Architect, W. F. Silliman, 29 South Eighteenth street, Philadelphia. Owner, Harry T. Saunders, 20 South Eighteenth street, Philadelphia. Brick, cut stone, carpentry and mill work, stair work, electric work, plumbing, painting, glazing, slag roof. Contract awarded A. Raymond Raff Contg. Co., 1635 Thompson street.

Residences and Garages (28), Palmetto street, Van Kirk and Comley streets. Architect, J. E. Fieldstein, Otis Building, Philadelphia. Owners, Palvan Const. Co., 1642 West Hunting Park avenue, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, hardwood and cement floors, hot water heat, electric light, metal lath, tile work. Contract awarded Allan Const. Co., 1642 West Hunting Park avenue, Philadelphia, who are taking sub-bids.

School (alts. and add.), Cotton street, below Silverwood, Philadelphia. Architect, G. C. Freeman, Liberty Bank Building, Reading,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Pa. Owners, St. Joseph's Roman Catholic Church, Rev. Stockowicz, rector; D. Cardinal Dougherty, Eighteenth above Race street, Philadelphia. Brick, steel, 4 stories and 1 story, 24x92 feet, slate roof, pine floors, heating extension, electric light, metal lath, fire doors, bond, iron stairs, ornamental iron work, flagstone, safety treads, roof ventilators. Contract awarded Cody Const. Co., 4627 Frankford avenue, Philadelphia.

Laundry (alts.), Mountain avenue, Oak Lane, Philadelphia. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Edwin Dannebaum, on premises. Lumber, carpenter's mill work, painting, plumbing, electric light, slate roof. Contract awarded Albert Zellfelder, 1324 Walnut street, Philadelphia.

Rectory (alts. and add.), Thirty-second and Clearfield streets, Philadelphia. Architect, Wilfred Edwards Anthony, 10 East Forty-fourth street, New York. Owners, St. James the Less, C. Jarvis Harriman, on premises. Stone, limestone, 2 stories and basement, 40x44 feet, slate and composition roof, oak and pine floors, electric light, plumbing, tile work, floor hardener, ornamental iron work, wrought iron pipe, bluestone. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Conwell Hall, Seventh Floor, Broad and Montgomery avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Temple University, on premises. Brick, stone, steel, 88x40 feet, steam heat, electric light, metal lath, marble and terrazzo work, rolled steel sash and skylights, kalamein doors, gypsum roof, cement and linoleum floors, hollow tile. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Warehouse, Twentieth and Hamilton streets, Philadelphia. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete, brick, steel, 3 stories and basement, 110x374 feet, Barrett specification roof, cement floors, elevator, waterproofing, ornamental iron work, bond, rolled steel sash and doors, kalamein doors, electric light. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Building, 5623 Germantown avenue, Philadelphia. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owner, Potter Darrow, 5621 Germantown avenue, Philadelphia. Brick, steel, 2 stories and basement, 100x20 feet, slag roof, hot water heat, electric light, metal lath, pine and cement floors, ornamental iron work. Contract awarded Samuel Harting & Son, 20 East Johnson street, Philadelphia.

Warehouse, Swanson and Ritner streets, Philadelphia. Architect, private plans. Owners, Terminal Warehouse Co., Pottash Brothers, on premises. Brick, steel, 2 stories and basement, 16,000 square feet, cement floors, slag roof, rolled steel sash. Contract awarded Robbins Contg. Co., 1137 North Front street, Philadelphia.

Elks' Home, Sixteenth and Fitzwater streets, Philadelphia, \$150,000. Architects, W. E. Westover, Jr., and O. H. Fisher, 109 South Twenty-second street, Philadelphia. Owners, O. U. Corta Lodge, No. 20, I. B. O. E., on premises. Brick, reinforced concrete, granite, steel, 3 stories and basement and mezzanine,

112x57 feet, slag roof, pine floors, hollow tile, painting and glazing, architectural terra cotta, ornamental iron work, area gratings, metal lockers, metal partitions, Zenithern floors, rolled steel sash and skylights, tin-clad fire doors, bond, ornamental iron work. Contract awarded Wills Bill Co., 1706 Sansom street, Philadelphia.

Faculty Annex (alts.), Forty-ninth and Chestnut streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, West Philadelphia Catholic High for Boys, on premises. Brick work, demolition, iron work, cement work, carpentry and mill work, painting, glazing, plastering, metal lath, tile and marble work (plumbing, heating, electric, oil burners reserved). Contract awarded B. J. McKenna, 2643 North Hutchinson street, Philadelphia.

Loft Building, 1202 and 1210 Filbert street, Philadelphia. Architect, William Macy Stanton, Land Title Building, Philadelphia. Owner, Benjamin F. Cohn, Widener Building, Philadelphia. Brick, steel, 20 stories and basement, 80x106 feet, sprinkler system, steam heat, electric light, rolled steel sash, kalamein doors and trim, metal bulks, ornamental terra cotta, cut stone, steel stack, steel toilet partitions, tower wiring, elevators, hollow tile, concrete floors, spiral chute. Contract awarded without competition. Sub-bids will be taken in three weeks. Contractor's name withheld.

Garage, West side Eleventh street, South of Spruce street, Philadelphia, \$125,000. Architect, private plans. Owner, S. Frank, Eleventh and Cypress streets, Philadelphia. Brick, 3 stories, 58 feet 3 inches x 180 feet, slag roof, cement floors, electric work. Contract awarded to Harry Alterman, 2731 West Somerset street, Philadelphia.

Residence and Store (repairs), 5606 Chew street, Philadelphia, \$4,800. Architect, private plans. Owner, M. Swanfeld, 5606 Chew street, Philadelphia. General fire repairs. Contract awarded to I. Manin, 5226 Berks street, Philadelphia.

Warehouse (add.), 3726-28 North Randolph street, Philadelphia, \$3,000. Architect, private plans. Owners, C. H. Boley Co., on premises. Brick, second story add., 61 feet 6 inches x 42 feet. Contract awarded to Royal Home Improvement Co., 52 North Sixtieth street, Philadelphia.

Residences (12), South side Fern street, East of Fifth street, Philadelphia, \$54,500. Architect, private plans. Owner, E. McMaster, Cheltenham avenue and Fairhill street, Philadelphia. Brick, 2 stories, 15x28 feet, 11x12 feet, hot water heat, electric work. Contract awarded to Louis Breunig, Jr., 5126 North Fifth street, Philadelphia.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennyacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

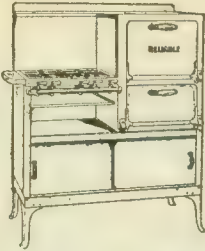
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.

263 So. 52nd St.

York Rd. & Rockland St.

Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR F

512 Bulletin Building

Philadelphia

Penna.

Berl

19 W

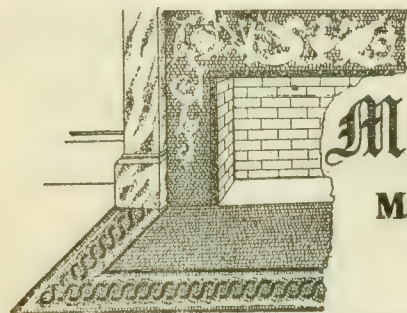
THERE IS ONLY ONE IN-A-D
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road

Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STO

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

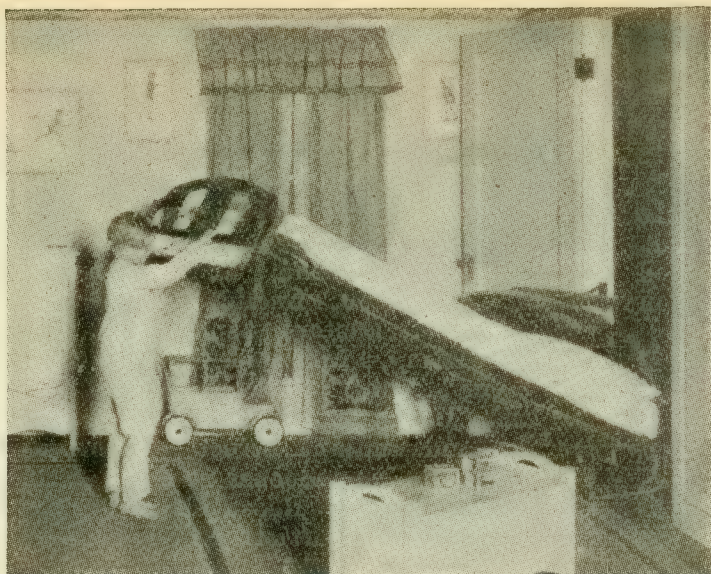
If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

BEDS

homes
springs
call at our
elain kitchen
ing boards as
y Beds

ED CO.
ley Building
st 44th Street
New York
OR BED



A child can operate the bed

comfortable, Convenient
here represented sell
nd Specified Materials or
elt of their co-operation.



ONETEX Surfaces

checks are beginning to show,
ying Truscon STONETEX.

t and the concrete is spalling
on stopped by the application

does it prevent moisture
it also covers the surface
dries flat. It does not
like masonry.



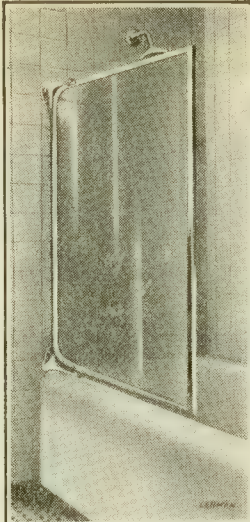
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Allegheny 5520

138-140 North 55th Street, Philadelphia

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Apartment House, 1619-21 North Thirteenth street, Philadelphia, \$20,000. Architect, private plans. Owner, Samuel Gourley, Jr., 1938 West Erie avenue, Philadelphia. Brick, 3 stories, 28x30 feet, 15x33 feet, slag roof, hardwood and pine floors, electric light, tile work. Contract awarded to Gourley Const. Co., Twenty-first and Ridge avenue, Philadelphia.

Manufacturing Building (add.), Northeast Corner Tulip and Rhawn streets, Philadelphia, \$39,000. Architect, private plans. Owners, Schletter & Zander, on premises. Brick, 3 stories add., 62x104 feet. Contract awarded to William F. Lotz, Oxford Bank Building, Philadelphia.

Residences (2), West side Tabor road, South of St. Vincent street, \$10,000. Architect, private plans. Owners, Lampman Brothers, 7340 Montour street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, hardwood and pine floors. Contract awarded to T. E. Lampman, 7334 Bingham street, Philadelphia.

Residence, West side Erdrick street, South of Comly street, Philadelphia, \$4,500. Architect, private plans. Owner, Charles F. Leopold, 2922 E street, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, electric work. Contract awarded to John G. Stevenson, 4314 Decatur street, Philadelphia.

Residence and Store (add.), 6048 Ogontz avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Paul Tsyer, 6042 Ogontz avenue, Philadelphia. Brick, 3 stories add., 15 feet 4 inches x 27 feet. Contract awarded to Morris Goldman, 3232 West Arlington street, Philadelphia.

Bungalow, South side Chandler street, West of Ferndale street, Philadelphia, \$3,500. Architect, private plans. Owner, Ernst Frederick, on premises. Frame, 1 story, 20x38 feet, electric light, pine floors. Contract awarded to T. E. Lampman, 7334 Bingham street, Philadelphia.

Office and Shop (add. and alts.), East side Ditman street, North of Longshore street, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. Schuman, Disston and Ditman streets, Philadelphia. Brick, 1 story add., 11 feet 9 inches x 5 feet, general alterations. Contract awarded to John G. Seevenson, 4314 Decatur street, Philadelphia.

Residences (3), 3568-70-72 Weikel street, Philadelphia, \$2,000 each. Architect, private plans. Owner, Joseph McKinney, 3571 Witte street, Philadelphia. Brick, 2 stories, 14x25 feet, hot air heat, electric light. Contract awarded to George McKinney, 3544 Janney street, Philadelphia.

Residence, 8507 Germantown avenue, Philadelphia, \$10,000. Architect, private plans. Owner, William Joonson, 8505 Germantown avenue, Philadelphia. Brick, 2 stories, 19 feet 2 inches x 65 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Residence and Store (alts.), Northeast Corner Fourth and South streets, Philadelphia, \$8,000. Architect, private plans. Owner, A. H. Kaplan, Fourth and South streets, Philadelphia. General alterations. Contract awarded to H. F. Brown, 6100 Ridge avenue, Philadelphia.

Residence (add. and alts.), 5925 Wayne avenue, Philadelphia, \$5,800. Architect, private plans. Owner, F. H. Tunnell, on premises. Brick, 1 story add., 12x18 feet, general alterations. Contract awarded to Samuel Harting & Son, 20 East Johnson street, Philadelphia.

Hospital (alts.), Northwest Corner Thirty-third and Lancaster avenue, Philadelphia, \$5,000. Owners, Rush Hospital, on premises. General alterations. Contract awarded to Frank E. Wallace, 337 South Camac street, Philadelphia.

Show Room (add.), 3100 Kensington avenue, Philadelphia, \$3,000. Owners, Philadelphia Electric Co., Tenth and Chestnut streets, Philadelphia. Brick, 3 stories add., 23x23 feet. Contract awarded to Paul Brosz, 2515 West Huntingdon street, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Anchor and other streets, Municipal Paving Co., Second and Wingohocking streets, \$11,466.90. Euclid, George to Fifty-second street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$7,643.80. Morse and other streets, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$13,434.35. Gurney and Indiana streets, Union Paving Co., Thirtieth and Locust streets, \$52,322.75. Cottman, Sackett to Roosevelt Boulevard, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$33,487.05. Asphalt paving mixture, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$16,050. Poplar, Twentieth, Twenty-fourth, Brown, etc., Barber Asphalt Co., 1600 Arch street, Philadelphia, \$32,327. Jueen Lane Pumping Station, water pipes, P. & A. J. Ellis, Fourth below Wyoming avenue, Philadelphia, \$89,692.

Store (alts.), 921 Market street, Philadelphia. Architects, Construction Department, 1107 Broadway, New York. Owner, J. G. McCrory, 1107 Broadway, New York. Reinforced concrete, brick, steel, granite, 3 stories, 2 stories and basement, 200x64 feet, slag roof, linoleum floor, cement floor, elevators, roof ventilators, metal window guards, plumbing, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, fire doors, rolled steel sash and skylights, tile work, electric light, steam heat, sprinkler system. Contract awarded Curtis Grindrod Co., 10 South Eighteenth street, Philadelphia.

Church (add.), Ridge and Manayunk avenues, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, Wissahickon Presbyterian Church, on premises. Stone, 2 stories and basement, 52x76 feet (plumbing, heating, electric reserved), slate roof, oak, pine and cement floors, bond, ornamental iron work. Contract awarded Ralph Borthwick, 6511 Woodstock street, Philadelphia.

Cottage and Greenhouse, Chestnut Hill, Pa. Architect, Horace Trumber, Land Title Building, Philadelphia. Owner, Arthur H. Lee, Chestnut street, Philadelphia. Stone, cut stone, brick, 1 story, 102x51 feet, asbestos shingle roof, slate roof, pine and cement floors, plumbing (heating reserved), lighting allowance, metal lath, tile work, bond, ornamental iron work, wrought iron pipe, blue-stone, masonry for greenhouse. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia. Heating, J. T. Wood, 710 Schuylkill avenue, Philadelphia. Superstructure on greenhouse, Lord & Burham, 30 East Forty-second street, New York.

Coal Pockets, 1220 Washington avenue, Philadelphia, \$20,000. Owners, C. C. A. Baldi Co., on premises. Contract awarded to Specialty Eng. Co., Allegheny and Trenton avenues, Philadelphia.

Apartment House (add. and alts.), 3141 Diamond street, Philadelphia, \$7,150. Architect, private plans. Owner, L. S. Abrams, on premises. Brick, 2 stories add., 12x8 feet, general alterations. Contract awarded to Solomon Singer, 615 West Moyamensing avenue, Philadelphia.

Residence and Store (add.), 1049 East Cheltenham avenue, Philadelphia, \$2,800. Architect, private plans. Owner, Joseph C. Frearson, on

**PILES, FOUNDATIONS
CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

EXPERT BLASTING
J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

**Reinforced Concrete
and Cement Work**
Get our estimate first on
"THAT CEMENT JOB"
FREDERICK MASSIAH
S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165
Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection
BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.
FRANK PETTIT ORNAMENTAL IRON WORKS
1505-15 N. Mascher Street, Philadelphia
REGENT 9857
PARK 4147-4148

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT
211 Drexel Building
Philadelphia
Lombard 4900

premises. Brick, 1 story add., 27x25 feet. Contract awarded to Charles E. Davis & Sons, 4729 Ludlow street, Philadelphia.

Pennsylvania Construction News

Residence, Southwest Corner College avenue and Tunbridge road, Haverford, Pa., \$100,000. Owner, R. G. Stewart, 1520 Locust street, Philadelphia. Work contemplated.

Church (add.), New Cumberland, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, New Cumberland Lutheran Church, New Cumberland, Pa. Brick, 1 story. Preliminary plans in progress.

Residence, Front street, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owner, care of architects. Stone, 2½ stories, 40x40 feet, slate roof, hardwood floors, tile work. Plans in progress.

Residences (2), Academy Manor, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, P. H. Caplan, 2227 North Second street, Harrisburg, Pa. Brick, 2½ stories, 44x30 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Store and Office, Second street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Miller Kades, care of architect. General alterations to four-story building, oak floors, elevators, tile work, plate glass. Plans in progress.

Store and Apartments (6), Ninth and Central avenue, Chester, Pa. Architect, A. C. Coshland, Chester, Pa. Owner, E. Hinner, Chester, Pa. Brick, 2 stories, 20x50 feet, slag roof, hardwood and pine floors, plate glass, flush bulks, electric light, hot water heat. Owner ready for sub-bids in one week.

Garage, Shenandoah, Pa. Architects, Muhlenberg Brothers, Masonic Building, Pottsville, Pa. Owner, B. Lukas, 318 East Center street, Shenandoah, Pa. Brick, 2 stories, slag roof, cement floors. Architects will be ready for bids end of July.

Bank (add. and alts.), Waynesboro, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Citizens' National Bank, J. A. Frick, president, Waynesboro, Pa. Brick, steel, 1 story, 35x100 feet, slag roof, concrete floors, roof ventilators, metal window guards, bronze, steel sash and skylights, tile and marble, heating extension, electric light. Architect ready for bids.

Hotel, Lewes, Del., \$60,000. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Lewes Hotel Co., C. C. Marshall, Lewes, Del. Semi-fireproof, 3 stories, 60x80 feet, slag roof, pine floors, steel sash, tile and marble, electric light (heating and plumbing reserved). Will be ready for bids in one week.

High School, Paradise Township, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Paradise Township School Board, E. W. Denlinger, secretary, Paradise, Pa. Brick, steel, 1 story and basement, 130x120 feet, slate and composition roof, gum floors, safety treads,

ornamental iron, fire doors, tile work, metal lath, unit heat (heating, plumbing, electric separate), ornamental iron. Owners ready for bids.

School (alts. and add.), Prince street, Lancaster, Pa., \$75,000. Architect, H. P. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, School Board of Lancaster, I. Contper, secretary, Prince and Chestnut streets, Lancaster, Pa. Brick, steel, 2 stories, 40x70 feet, slate roof, maple and composition floors, cut stone, iron stairs, bonds (plumbing, heating, electric separate). Owners taking bids due July 15th.

Court House (add. and alts.), Lancaster, Pa. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owners, City of Lancaster, Board of County Commissioners, Lancaster, Pa. Stone, cut stone, granite, steel, brick, 1 story and basement, 60x30 feet, Barrett roof, cement and linoleum floors, hollow tile, plumbing. Low bidder: John H. Wickersham, Appel Building, Lancaster, Pa.

Alterations, Ridley Township School District, Ridley Township, Pa. Owners, School Board, C. M. Louis Corbin, Ridley Township, Pa. Completion of unfinished room south side, second floor, Kerdon School, Holmes, Pa. Specifications from J. S. Hay, Fairview avenue, Woodlyn, Pa. Owners taking bids due July 11th, 8 P. M.

Bank Building, Stores and Apartment, Sixty-ninth street, Market street, Ashby road, Upper Darby, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Sixty-ninth Street Title & Trust Co., on premises. Brick, limestone, steel, 1 story and basement, irregular in size, slag roof, cement, oak and pine floors, steam heat, electric light, metal lath, tile and marble work, ornamental iron work. Architects taking bids due July 8th.

Grade School, Catasauqua, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Catasauqua School Board, Miss Ida Downs, secretary, Catasauqua, Pa. Fireproof, steel, brick, concrete, 2 stories and 1 story, 36x68 feet, 94x84 feet, composition and slag roof, mastic floors, hollow tile, safety treads, cast stone, ornamental iron, iron stairs, bond, terrazzo work (electric, plumbing and heating separate). Owners taking bids due July 11th.

Bank, Selinsgrove, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Farmers' National Bank, Selinsgrove, Pa. Fireproof, limestone, 1 story,

25x90 feet, built-up roof, marble floors, vapor heat, electric light, tile and marble, bronze work. Architects taking bids.

Residence, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Jacoby & Hahn, care of architects. Architects taking bids.

Paving, Spring City, Chester County, Pa. Owners, Borough Council, Norman Mowrey, Spring City, Pa. Rebuilding certain streets. Specifications may be obtained from Lincoln Brothers' Store, Main street, Spring City, Pa. Owners taking bid sdue July 8th, 6 P. M. (Standard Time).

Furnish and Erect Portable Galvanized Iron Building, Chester, Pa. Owners, Board of Education, C. E. Sanderson, Chester, Pa. On site of Booker T. Washington, Jr., High School, 24x60 feet. Furnish material for repairs to American heating and ventilating system of district. Owners taking bids due July 8th.

Paving, 7-inch concrete pavement, Lansdowne, Pa. Engineers, Damon & Foster, 6932 Market street, Upper Darby, Pa. Owners, Borough of Lansdowne, F. Niewig, Lansdowne, Pa. Certified check, 10 per cent. Owners taking bids due July 14th, 7 P. M. (Standard Time).

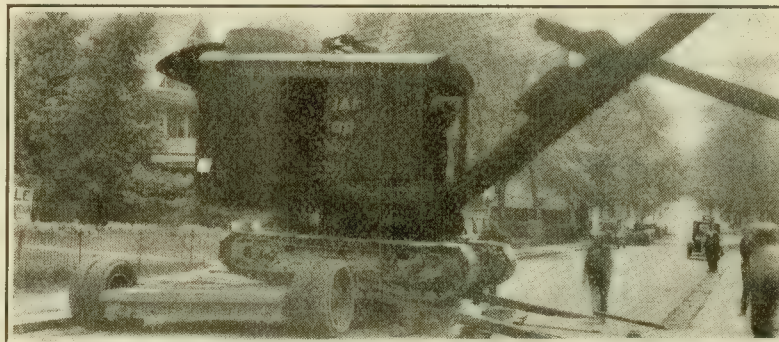
Sewer System, Springfield Township, Pa.,

The Seal-A-Void Co.
WATERPROOFING ENGINEERS
Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

For Prices on
CAULKING
or Material for Caulking
Phone S. LIBMAN, Woodland 6859
831 South 49th Street, Philadelphia

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

\$200,000. Engineers, Damon & Foster, 6932 Market street, Upper Darby, Pa. Owners, Springfield Township, Springfield, Pa. Tentative plans drawn. Work contemplated.

Reinforced Concrete Stand, Villa Nova, Pa. Engineer, P. J. McCormick, 325 Fuller Building, Philadelphia. Owners, Villa Nova College, C. A. McGreehan, Villa Nova, Pa. Low bidders: Carl R. Camp, 10 South Eighteenth street, Philadelphia, \$39,318; Thomas C. Trafford, 2339 North Fifteenth street, Philadelphia, \$40,734.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due July 15th, at 10 A. M.

Beaver County, A-4746, Woodlawn Bor-

ough, 8,065 feet. One course reinforced concrete. Certified check, \$1,500.

Berks County, R-146, Sec. 2, Mt. Penn Borough, 1,680 feet. One course reinforced concrete. Certified check, \$500.

Bucks County, R-281, Falls Township, 6,317 feet. One course reinforced concrete. Certified check, \$1,000.

Bucks County, A-4583, Nockamixon Township, 15,198 feet. Bituminous surface treated macadam surface. Certified check, \$1,500.

Centre County, R-57, Philipsburg Borough, Rush Township, 2,706 feet. One course reinforced concrete. Certified check, \$1,000.

Clarion County, R-218, Sec. 2, Elk and Beaver Townships, Edenburg Borough, 13,620 feet. One course reinforced concrete. Certified check, \$2,000.

Cumberland County, R-40, Carlisle Borough, North Middleton Township, 5,050 feet. One course reinforced concrete. Certified check, \$1,500.

Elk County, R-97, Ridgeway Borough, 1,004 feet. Bituminous surface course. Certified check, \$500.

Erie County, R-85-295, Albion Borough, 5,830 feet. Bituminous surface course. Certified check, \$1,000.

Erie County, A-4709, Harbor Creek Township, Wesleyville Borough, 4,150 feet. One course reinforced concrete. Certified check, \$1,000.

Huntingdon County, A-4279, Wood Township, 10,612 feet. One course reinforced concrete. Certified check, \$2,000.

Indiana County, R-63, Rayne Township, 2,747 feet. Grading and drainage. Certified check, \$500.

Jefferson County, R-357, A-3701-A, Ringgold Township, 1,933 feet. One course reinforced concrete. Certified check, \$500.

Lancaster County, R-128, Lancaster, East Hempfield and Manor Townships, 8,642 feet. One course reinforced concrete. Certified check, \$2,000.

Lancaster County, R-138, Penn and East Hempfield Townships, 10,590 feet. One course reinforced concrete. Certified check, \$2,000.

Luzerne County, A-3802, Black Creek Township, 25,220 feet. Bituminous surface treated macadam surface course. Certified check, \$2,500.

Mercer County, R-312, Grove City Borough, 2,400 feet. Bituminous surface course. Certified check, \$500.

Montgomery County, R-146, Sec. 5, Pottstown Borough, West Pottsgrove Township, 6,380 feet. One course reinforced concrete, dual type. Certified check, \$2,000.

Warren County, R-93, Sec. 3, Pleasant and Broken Straw Townships, 7,891 feet. Grading and drainage. Certified check, \$2,000.

Washington County, R-268, Sec. 7-A, Elco Borough, East Pike Run Township, 3,665 feet. One course reinforced concrete. Certified check, \$1,000.

Westmoreland County, R-68, Sec. 6, Salem Township, 9,228 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, A-4361, Unity Township, 20,021 feet. One course reinforced concrete. Certified check, \$2,500.

Ciaduct, Luzerne County, Route 4, Sec. 6, Boroughs of Edwardsville, Larksville and Kingston, over tracks of Delaware, Lackawanna and Western Railroad Company. One span steel truss bridge, 124.7 feet, reinforced concrete approach spans, 276 feet length, roadway width 24 feet, 5-foot sidewalk. Bridge over Toby's Creek, 2 spans, each 30 feet clear, 45 feet clear, 4,894 feet one course reinforced concrete pavement 18 feet wide, grading and drainage, 4,415 feet grading and drainage structures.

Proposal forms and specifications free. Construction drawings, \$2.50 per set. Cross section drawings, \$5.00 per set. No refund.

Hospital Buildings, Warren, Pa., \$500,000. Architect, Colonel Eric Fisher Wood, Pittsburgh, Pa. Owners, Warren State Hospital, care of B. E. Taylor, Superintendent of Properties and Supplies, Harrisburg, Pa. Brick, stone, steel. Sketches drawn. Plans in progress.

Theatre, Stores (4) and Apartment Building, Wilkes-Barre, Pa. Architect, Leon Lempert, 1058 Mercantile Building, Rochester, N. Y. Owners, Comerford Amusement Co., G. Morris, State Theatre Building, Scranton, Pa. Brick, 2 stories (21 apartments). Owners will be ready for bids between July 15th and August 1st. Plans in progress.

Office Building, Woodland avenue and Philadelphia and West Chester Trolley Track, Springfield, Delaware County, Pa., \$30,000. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, J. J. Dougherty, Upper Darby, Pa. Brick, stone, steel (plumbing, heating, electric reserved). Architects taking bids due July 13th.

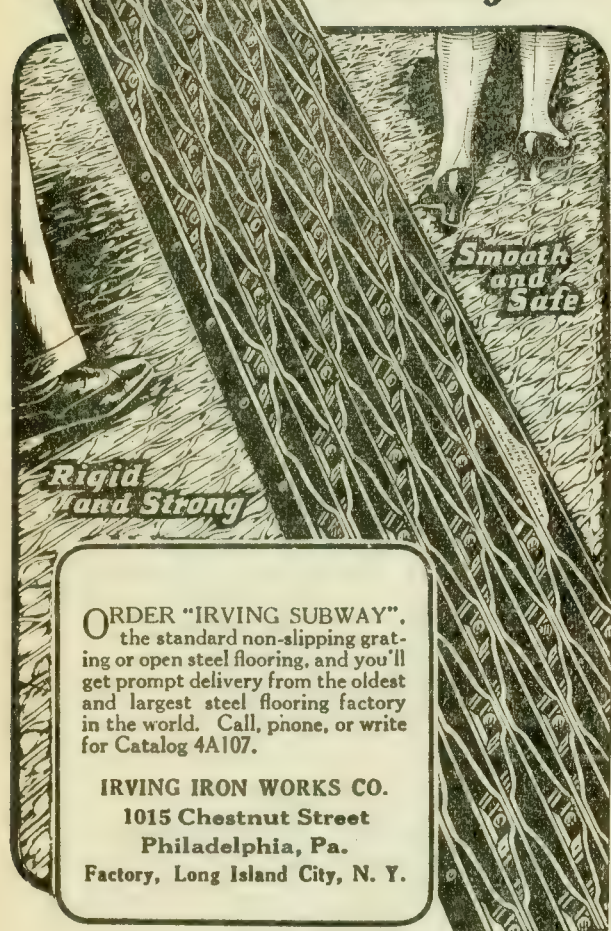
Dormitory, Mercersburg, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Mercersburg Academy, Mercersburg, Pa. Brick, steel, concrete. Architect taking bids due July 8th.

Store Building, Garrett road, East of Fairfield avenue, Upper Darby, Pa. Architect, H. B. Weldon, 1817 Callowhill street, Philadelphia. Owners, Delaware County Development Co., care of builder. Brick, granite, limestone, steel, 3 stories and basement, 32x75 feet, asphalt roof, maple floors, hollow tile, plumbing, steam heat, electric light, tile work, copper sash and skylights, ornamental iron work, brass pipe, iron pipe, cast stone. Smith-Hardican Co., Inc., 1809 Callowhill street, Philadelphia, taking sub-bids due July 11th.

Pig Pen Roofing, Montgomery County Home, Royersford, Pa. Owners, Montgomery County Home, M. L. Horn, M. D., Royersford, Pa. Certified check, \$50. Owners taking bids due July 14th, 9 A. M. (Standard Time).

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Always-When You Need Gratings —

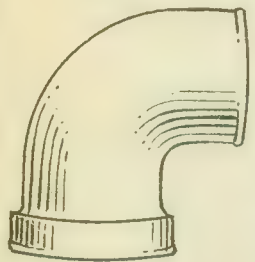


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL IRVING FLOORING

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

Bell Telephone

JOHN W. LEWIS

HEATING, PLUMBING AND POWER PIPING ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Pennsylvania Contracts Awarded

Hospital, Quakertown, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Quakertown Hospital Association, H. G. Kittleman, Quakertown, Pa. Brick, hollow tile, architectural terra cotta, reinforced concrete, steel, iron work, steel sash, kalamein doors, metal partitions, 4 stories, 114x34 feet, marble tile and terrazzo work, waterproofing, bond, granite, cast stone, cement floors, slag roof, cement work, copper skylights, iron stairs. Contract awarded F. J. Schuler, Norristown, Pa.

Parochial School (add.), Highland Park, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Lawrence Roman Catholic Church, Rev. M. F. Cowl, Highland Park, Pa. Stone, 2 stories and basement, 36x72 feet, slate roof, pine and cement floors, metal lath, tile work, bond, ornamental iron work (plumbing, heating, electric reserved). Contract awarded M. W. Young, 2036 North Sixty-third street, Philadelphia.

Residence (alts. and add.), Haverford, Pa. Architect, Addison H. Savery, 1209 Locust street, Philadelphia. Owner, Frank B. Foster, on premises. Stone, cut stone, 2½ stories and basement, irregular in size, shingle roof, oak and pine floors (plumbing, heating, electric reserved), metal lath, tile work, bond, ornamental iron work, flagstone, bluestone. Contract awarded W. D. & H. T. Smedley, Narberth, Pa.

Glass Factory, Conshohocken, Pa. Architect, private plans. Owners, Ruth Glass Co., Conshohocken, Pa. Brick, steel, 3 stories and basement, 60x60 feet, slag roof, cement floors (plumbing, heating, electric reserved), rolled steel sash, ornamental iron work. Contract awarded W. P. Cameron Engr. Co., Packard Building, Philadelphia.

Residence (alts. and add.), Elkins Park, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Louis A. Rosenau, care of architect. Stone, mill work, carpentry, plate glass, tile work. Contract awarded E. E. Hollenback, Inc., 1910 North Marshall street, Philadelphia.

Faculty Residences (4), Swarthmore, Pa. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owners, Swarthmore College, Swarthmore, Pa. Cinder block, 1½ stories. Contract awarded John O. Kohl, Morton, Pa.

Office Building (alts. and add.), 415-17 York road, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, George Elkins, on premises. Iron work, marble work, cut stone, painting, glazing, carpentry and mill work, plastering. Contract awarded E. Allen Reeves, Abington, Pa.

Convent, Mt. Carmel, Pa. Architect, Paul A. Monaghan, 1520 Locust street, Philadelphia. Owners, St. Joseph's Roman Catholic Church, Mt. Carmel, Pa. Contract awarded Gordon Nagel, Pottstown, Pa.

Garage, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, H. Myers, Eleventh and Mulberry streets, Harrisburg, Pa. Brick, steel, 1 story and basement, 80x85 feet, slag roof, concrete floors, elevators, fire doors, steel sash (heating and plumbing reserved), electric. Contract awarded to W. E. Bushey, Lemoyne, Pa.

Store and Apartment, Gettysburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, David Blocher, Gettysburg, Pa. Brick, steel, 3 stories, 25x90 feet, slag roof, hardwood floors, roof ventilators, steam heat, electric light, tile and marble, steel sash and skylights, bronze work, incinerators. Contract awarded to L. Sacks, Gettysburg, Pa.

Church (alts.), Harris street, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Harris Street Evangelical Church, Rev. A. W. Brownmiller, Harris and Susquehanna avenue, Harrisburg, Pa. General interior alterations, metal lath, partitions, oak and terrazzo floors. Contract awarded to C. W. Lady, 2210 Green street, Harrisburg, Pa.

Church (add. and alts.), Shippensburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Memorial Lutheran Church, Rev. W. W. Barkley, Shippensburg, Pa. Brick, steel, 2 stories, 31x95 feet, slag and composition roof, concrete and pine floors, hollow tile, electric light, tile work, cast stone. Contract awarded to Mr. Diehl, Shippensburg, Pa.

School (add.) and Gymnasium, Blakely, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Blakely School District, D. L. Thomas, secretary, Peckville, Pa. Frame, 1 story, 53x69 feet, slag roof, pine floors, roof ventilators, bond, skylights, steel sash (heating, plumbing and electric separate). Contract awarded to Wilson Lumber Co., Dickson City, Pa. Plumbing to H. N. Gardner, 920 Green Ridge avenue, Scranton, Pa. Heating to Joseph A. Hawley, 617 Spruce street, Scranton, Pa. Electric to Walter English, Peckville, Pa.

Grade School (add.), Frackville, Pa. Architect, C. H. Grootenboer, Schuylkill Trust Building, Pottsville, Pa. Owners, West Mahanoy Township School District, W. Joyce, secretary, Lost Creek, Pa. Frame, 1 story, 4-room add. Contract awarded to Ashland Lumber Co., Ashland, Pa., \$39,461. Heating and ventilating to C. D. Mallams, Ashland, Pa., \$8,465.40. Electric to McHale & Sons, Frackville, Pa., \$1,643.

Grade School (add.), Shenandoah Heights, Pa. Architect, C. H. Grootenboer, Schuylkill Trust Building, Pottsville, Pa. Owners, West Mahanoy Township School District, W. Joyce, secretary, Lost Creek, Pa. Brick, 1 story, 4-room add. Contract awarded Andrew Breslin, Summit Hill, Pa., \$49,516. Heating and ventilating to Gaughan & Manley, Shenandoah, Pa., \$9,943.39. Electric to McHale & Sons, Frackville, Pa., \$2,061.

Residence, Lancaster Township, Pa. Architect, H. Y. Shaub, 20½ Queen street, Lancaster, Pa. Owners, Earl W. Dittenbaugh, 1036 Woods avenue, Lancaster, Pa. Stone, brick,

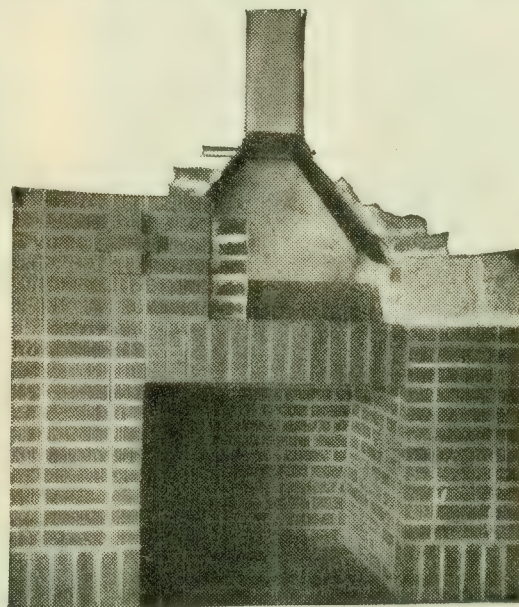
TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS
Camden Tile Co.
1484 Bradley Avenue
CAMDEN, N. J.
BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN
334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

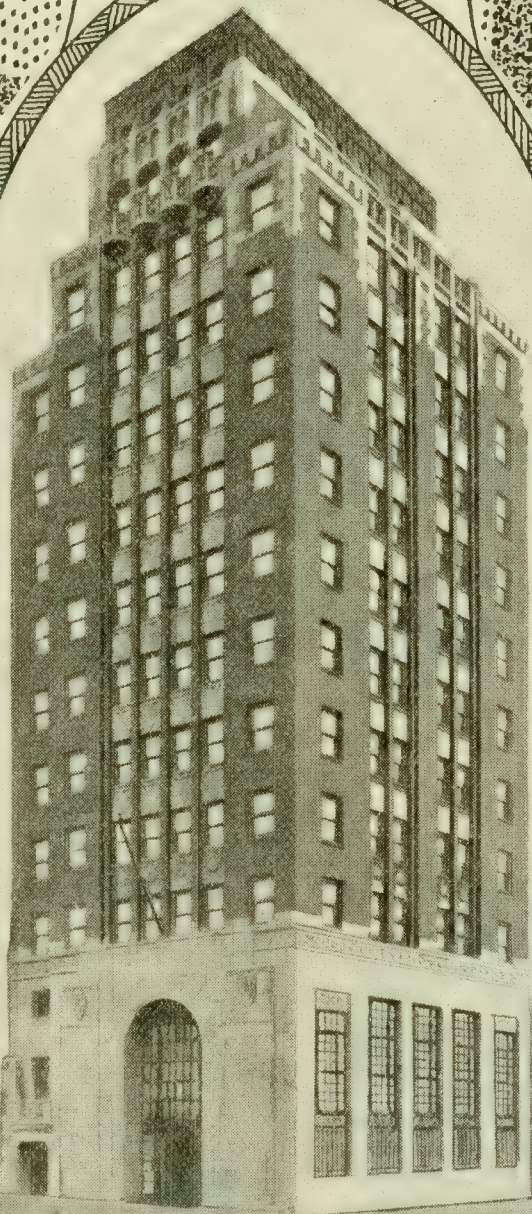
**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.
5th and Market Streets, Camden, N. J.
BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Philadelphia Yesterday and Today



North Philadelphia Steps Out

THE National Bank of North Philadelphia is the first of the many progressive North Philadelphia institutions to take advantage of the rapid growth of this section.

This modern office and bank building, within a stone's throw of the intersection of Broad Street and Germantown Avenue, is just the beginning of the tremendous development which is to follow.

THE VAN SCIVER CORPORATION

*Producers and Distributors
Building Materials*

EXECUTIVE OFFICES
THE PARKWAY AT 24TH STREET
PHILADELPHIA



Architect W.H. LEE Phila.
Builder WARK CO. Phila.

2½ stories, 35x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded W. B. Aierstuck, 34 East Chestnut street, Lancaster, Pa.

New Jersey Construction News

Public Library, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, City of Trenton, City Hall, Trenton, N. J. Brick, 2 stories. Preliminary plans in progress.

Jail Building and Gymnasium, Hamilton Township, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Building Committee of Hamilton Township, care of architect. Brick, steel, 1 story, 50x100 feet, slag roof, concrete floors, metal window guards, dampproofing, jail equipment, steel sash, metal lath (heating, plumbing, electric separate). Plans in progress.

Bank Building, Park and Elm avenue, Laurel Springs, N. J. Architects, C. R. Peddle and S. Wasserman, 136 South Fourth street, Philadelphia. Owners, Laurel Springs Bank, Laurel Springs, N. J. Brick, granite, steel, 1 story, mezzanine and basement, 37x41 feet, slag roof (electric and heating reserved), cement floors, plumbing, metal lath, terrazzo work, rolled steel sash, bond, ornamental iron work, wrought iron pipe, area gratings, cinder concrete block, cast stone, waterproofing, wall finish. Architects taking bids due July 8th at noon.

Store Front, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Nevius Brothers, 127 East State street, Trenton, N. J. Plate glass, marble floors, tile work. Architects taking bids due July 16th.

Residences (5), 1738-46 Tioga street, Camden, N. J., \$20,000. Architect, private plans. Owner, Peter Kovalenko, Blackwood, N. J. Brick, 2 stories, 16x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J.

Bridge over Saddle River, Route 17, North, Sec. 3, grading of roadway approaches on relocation in Bergen County. Excavation, borrow, macadam pavement, 43-foot span bridge. Certified check, 10 per cent. Deposit, \$10. Owners taking bids due July 11th at 11 A. M. (Eastern Standard Time).

Route 5, Sec. 20, Morristown to Convent Station, Morris County. Earth excavation, reinforced concrete pavement. Deposit of \$10. Certified check, 10 per cent. Owners taking bids due July 18th at 11 A. M. (Eastern Standard Time).

Route 4, over Jake's Branch and the South Channel of Toms River at M. P. 47.5 and M. P. 48.0, Ocean County. Concrete bridges. Grading, paving, concrete, borrow, foundation excavation, foundation piles, concrete, reinforcing steel, structural steel, creosoted timber bulkhead. Certified check, 10 per cent. Deposit of \$10. Owners taking bids due July 18th at 11 A. M. (Eastern Standard Time).

Viaduct, Embankment and Paving, Newark, N. J. Owners, State Highway Commission. A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Sec. 13, Route 1 Extension, Avenue I at South street, South Street Viaduct and approaches on South street between Stockton and Van Buren streets, Newark, Essex County. Embankment, concrete, structural steel. Owners taking bids due July 18th at 11 A. M. (Eastern Standard

Time). Certified check, 10 per cent. Deposit of \$50 (refunded).

Casino and Dining Room, Pinewald, N. J. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, Mrs. Mary R. Hayden, Pinewald, N. J. Preliminary plans in progress.

Bank, Riverton, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cinnaminson Bank, E. L. Williams, president, Riverton, N. J. Architects ready for bids due July 21st.

School and Gym, Cape May, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, E. J. Merrill, Cape May, N. J. Brick, cut stone, steel, reinforced concrete. Low bidders: Graham-Chambley Co., 3649 Filbert street, Philadelphia, \$55,000, basic bid \$61,405; Hunter & Shropshire, 20 South Fifteenth street, Philadelphia, \$57,670, basic bid \$63,799.

New Jersey Contracts Awarded

Chapel, Haddon avenue, near Euclid street, Camden, N. J. Architect, Emil Perrot, 1211 Arch street, Philadelphia. Owners, Monastery of Perpetual Rosary, Mother M. Louis Bertrand, Camden, N. J. Stone, reinforced concrete, cut stone, steel, brick, 2 stories and basement, 72x94 feet, blue lock slate roof, tin roof, cement and pine floors, hollow tile, metal weather strip, damp-proofing, wall finish, architectural terra cotta, electric light, metal lath, tile and marble work, kalamein doors, bond, ornamental iron work, wrought iron pipe, area gratings, linotile floors, fly screens, plumbing, caulking, limestone, ornamental plaster, hollow metal partitions, painting, glazing (heating, altars, shrines, pews, communion rail, stained glass windows, interior finish of Our Lady of Lourdes shrine and floor of same reserved). Contract awarded Wills Bill Co., 1706 Sansom street, Philadelphia.

School Building No. 2 (add.), Woodbury, N. J. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, School Board of Education, Woodbury, N. J. Brick, cut stone, limestone, 2 stories and basement, 45x51 feet, asphalt roof, cement and maple floors, hollow tile, roof ventilators, bluestone, ornamental iron work, bond, tin-clad fire and hollow metal doors, marble work, metal lath. Contract awarded J. T. Allen, Woodbury, N. J., \$45,790.

Store Front, East State street, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owner, S. P. Dunham, Broad and State streets, Trenton, N. J. Cut stone, reinforced concrete, steel, pine floors, electric work, tile and marble, bronze, hollow tile. Contract awarded to J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Service Building, Bellevue avenue, Trenton, N. J. Architects, P. L. Fowler Co., 224 East Hanover street, Trenton, N. J. Owners, Mercer Hospital, 446 Bellevue avenue, Trenton, N. J. Brick, steel, 2 stories, 58x74 feet, composition roof and floors, partitions, roof ventilators, iron stairs, casement windows, cut stone, tile and marble (heating, plumbing and electric reserved). Contract awarded to J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Morgue and Garage (add.), 1401-03 Princess avenue, Camden, N. J., \$5,000. Architect, private plans. Owner, Arthur H. Holl, 1401-03 Princess avenue, Camden, N. J. Brick, 2 stories, 30 feet 9 inches x 34 feet 10 inches, slag roof. Contract awarded to Edward Blizzard, 1411 Bradley avenue, Camden, N. J.

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR
BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

Miscellaneous Construction News

Theatre, Salisbury, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, Charles A. Bailey, Salisbury, Md. Fire-proof, steel, 1 story and basement, 60x156 feet, slag roof, terrazzo floors, hollow tile, roof ventilators, wood piling, terra cotta, bronze work, ornamental iron, iron stairs, fire and hollow metal doors, steel sash, tile, marble and terrazzo (heating, plumbing and electric separate). Architect taking bids due July 15th.

Miscellaneous Contracts Awarded

Residences (6), Twenty-fifth street, Wilmington, Del., \$36,000. Architect, private plans. Owner, Max Breuer, 2601 North Franklin street, Wilmington, Del. Brick, 2 stories, 20x28 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Dominick Cantera, 1504 Penn avenue, Wilmington, Del.

Residence (add. and alts.), Sixteenth and Brinkley avenue, Wilmington, Del. Architect, private plans. Owner, H. Rodney Sharp, Gibraltar, Wilmington, Del. Stone, 3 stories, 80x27 feet, slate roof, hardwood floors, tile work, electric light, general alterations. Contract awarded to A. L. Lauritsen, DuPont Building, Wilmington, Del.

Residence (add. and alts.), 903 West street, Wilmington, Del., \$4,500. Architect, private plans. Owners, Grace Church, on premises. Brick, 1 story add., 12x45 feet 6 inches, general alterations. Contract awarded to Heindle Samworth, Wilmington, Del.

If your sales-talk is keyed to interest men who build it should occupy space every week in the "Guide," the only building news magazine this side of Manhattan Island.

The wetting of brickwork for a period after laying, as often is done with concrete construction, does not add to the strength of the brickwork. This unnecessary expense and trouble may safely be eliminated.

The United States Bureau of Standards at Washington, by a series of tests, has proven that no decided increase is found in the strength of the wetted walls over those of the same type of construction which were unsprinkled.

This was a part of the most extensive tests of brickwork that have ever been made in the world. For a period of more than six months the walls have been built and crushed and in other ways tested, at the big laboratories in Washington. More than 150 large panels were built, with the greater proportion of them nine feet high by six feet wide. These represent, it is claimed, actual wall action in the average building.

Brick walls were laid 4 inches, 8 inches, and 12 inches in thickness. The 8-inch and 12-inch walls were divided between solid construction and hollow construction. A series of panels was laid in lime mortar, another in cement-lime mortar, and another in cement mortar. Four grades of common brick were used in the construction of the panels, ranging from 2,500 pounds a square inch individual test to above 6,500 pounds a square inch individual test.

Never before have authoritative tests of the results of wetting brickwork been made. The method used was to cover the panels as soon as they were completed with burlap, which was sprinkled at intervals and kept wet for seven days. After the removal of the wet burlap the panels were allowed to season about sixty days.

Opposing effects were set up in the investigation. While the dampness may tend to produce a stronger mortar, the moisture in the mortar and in the brick at the time of test weakens the wall, so that the advantages just about offset the disadvantages of wetting. The variation in strength between the walls which were sprinkled and those which were not was not great enough to justify on the part of builders the added expense for wetting.

This is only one of many important facts that have been established by the big series of tests at the government laboratories. It is expected that the Bureau will shortly issue a complete report of these tests, which will be eagerly awaited by the building industry and the architectural and engineering professions. The tests were made by the Bureau in co-operation with the Common Brick Manufacturers' Association of America.

Brickwork heretofore has been rated largely upon its performance in architectural use. It is the belief of the brick industry that the results of these tests will

greatly extend the use of the material, because they will provide the engineer and the architect with definite information upon the strength of brick walls built with certain qualities of brick under certain specifications as to mortar, thickness, etc.

TILE ROOFS ADD A VERY DEFINITE DISTINCTION

Brought from Spain two centuries ago by the valiant padres the burned clay tile has won and held a place peculiarly its own

Much of the appealing charm which delights the traveler in almost unbroken continuity throughout the Mediterranean region, and whose memories live longest and most entrancingly, lies in the architectural variations and surprises which greet him at each succeeding turn of the road. Whether it be in France, Spain, Italy, or Morocco, Algiers or Egypt; there is always the dominant motif in the type of architecture, but withal there is as well the unexpected touch of the individual taste or some boldly executed departure by the ancient designer from the conventional style of the period. For architects even in those days had their whims and preferences.

Here too was originated the roof tile which is no small factor in the picturesque architectural effects that feature this country. Here may be found tiles of a wonderful variety of oddities and shapes and of an infinitely greater variety of colors. These range not only through all those of the rainbow but, in an endless series of tints and tones, encompass about every shade that modern makers of paints have been able to duplicate down the centuries.

Spain introduced the practice of roofing with tile to the Americas some two centuries ago, through the medium of the padres who established their monasteries in the South and their missions in the Southwest. From the mother country in the earlier periods came samples of the richly colorful creations of the old masters of the craft. Few of them remain. In most instances it developed that in their manufacture was omitted something essential to their durability in the treacherous climates of the new world. Probably the fault lay in the burning, for usually they crumbled after long exposure to the changing elements.

Manufacturing the roofing type of tile was slow in gaining a foothold in the United States. It was not until shortly before the war of the states that the problem was experimented with seriously. Spanish tiles then held the highest favor and were patterned after in our earliest experiments. This type still holds first place in popular esteem although there are a wide variety of shapes made.

American ingenuity has overcome all

of the old-time weaknesses of the Spanish tile. Today it is as lasting as any other burned clay product, resists the effects of weathering, is a non-conductor of heat and cold, does not attract lightning, and is thoroughly fireproof. And in the matter of coloring, the American-made tile of today successfully rivals its old-world predecessor of a century and a half ago. And like the common brick, this is a burned-in beauty.

With the passing of the shingle roof, and this is being hurried more and more every year by municipal legislation for protection against the fire menace, the tile roof has kept pace with other substitute materials for roofing purposes. Generally tile is found in connection with masonry construction with which it develops a distinctive harmony. And especially is it fitted to the home of mixed masonry and stucco.

The affinity between the common brick and the general type of roofing tile is strengthened peculiarly by the fact that both are natural products of burned clay. Neither is artificially treated to obtain some special effect. Both come from the test of the kiln in a natural state, with purely natural effectiveness, heightened occasionally by a special mixing and tempering of the clay before the firing.

Where the vogue of some roofing materials is passing that of the clay tile with its wonderfully alluring mellowness of coloring, is yet in its infancy. Peculiarly it is a material that grows upon one. It is an urban, or perhaps more properly a suburban specialty which needs a surrounding of much greenery for the best effects. Under such conditions it thrives, and so is winning more and more friends annually.

Still under any conditions the tile roof is a thing of beauty when properly selected for color effects and harmony, especially when used in connection with a wall of common brick.—*Building Economy*.

Brick homes generally vindicate the far-sightedness of the men who build them.

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—John D. Rockefeller.

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave. w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.

Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING

Libman, S. 831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave. w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co. 617 Filbert St., Phila.

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave. w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Phila. Building Material Co. 1209 N. Taney St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave. w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

Lee T. Ward Co. 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

TWO MEN AND A HOTEL FIRE

Two men lost their personal effects in a hotel fire. One said: "It's a beastly inconvenience." The other said: "It will set me back five hundred bucks."

It meant inconvenience to the first one, but not financial loss. His personal effects were covered by North America Tourist Baggage Insurance. Are yours?

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

The Concrete Pit in this Building is Below Tide Water—But
"ANTI-HYDRO" Keeps It Dry



Extreme conditions surround the sterilizing pit in this building. Unusual water pressure on the outside and acid fumes on the inside.

This pit is permanently hardened and waterproofed with "ANTI-HYDRO," which also protects the concrete from the deteriorating effects of the acid. In one operation "ANTI-HYDRO" hardens and waterproofs concrete and makes it acid, alkali and oil resisting.

Being a liquid integral compound, "ANTI-HYDRO" is extremely easy to use. Simply mix it with the gauging water. No skilled labor is required. Results are *guaranteed permanent*.

Twenty-three years of successful use is your assurance of satisfaction. Use "ANTI-HYDRO" on your next job.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO

WATERPROOFING COMPANY

265 Badger Avenue

Newark, N. J.

VINCENT MERCALDO

MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK

PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA

SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 28
July 13, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

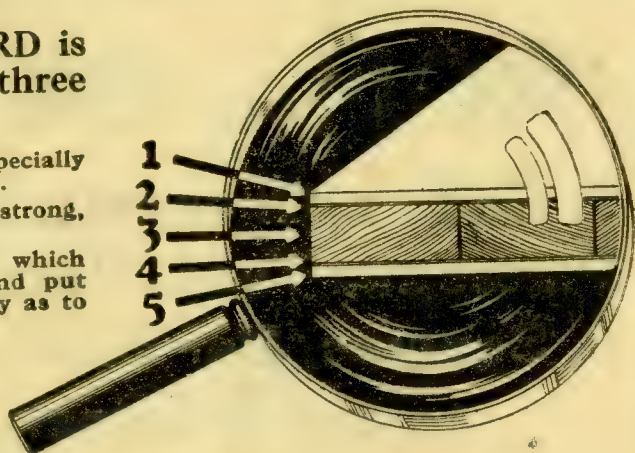
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

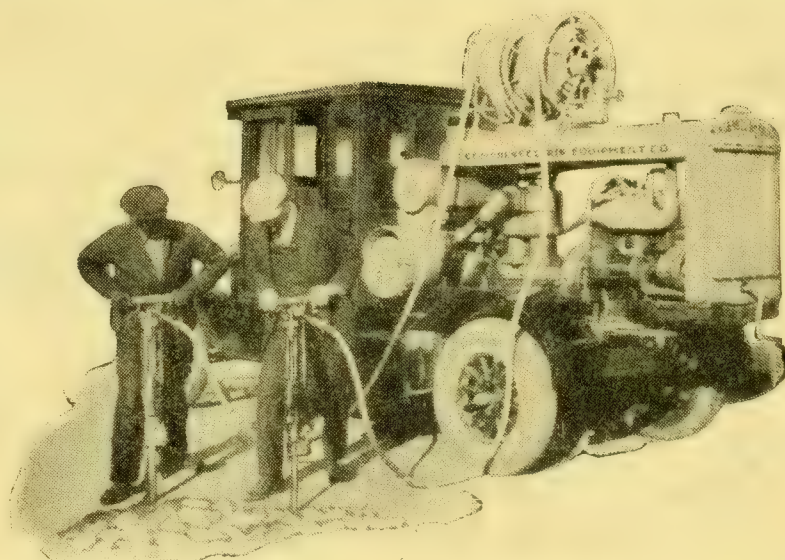
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by *Welsbach*

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

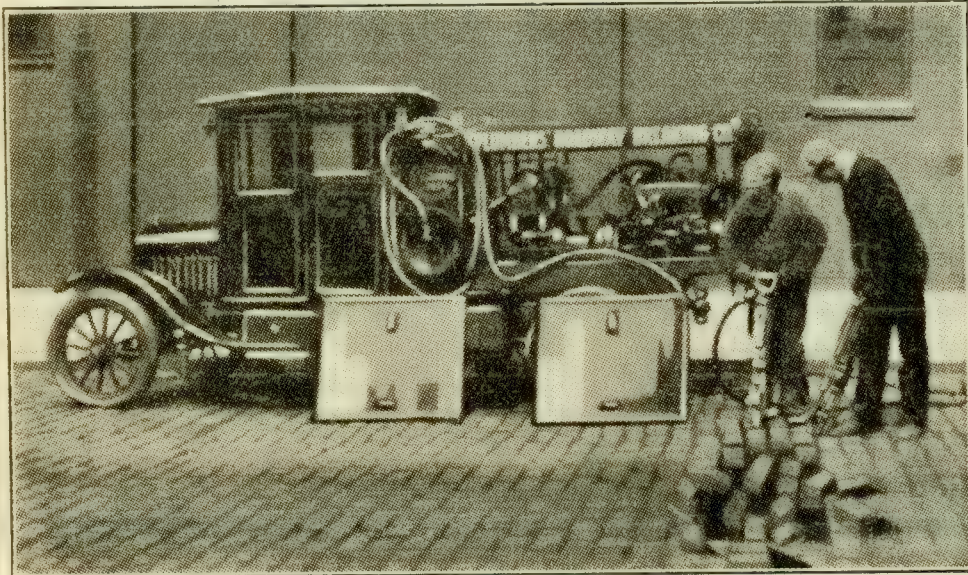
FABRICATED STEEL IRON BARS

RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE
**Street Openings
By Newest and Easiest Method**

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

**Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries**

JAMES SHAW & SON Co.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

**Excavating
Steel Erecting**

**Trench Work
Car Unloading**


CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

THE LAND TITLE AND TRUST COMPANY

BROAD STREET, CHESTNUT TO SANSOM, PHILADELPHIA

Capital \$3,000,000

Surplus and Profits \$13,500,000

FIRST TRUST COMPANY IN THE PHILADELPHIA CLEARING HOUSE

Deposits received upon which interest is allowed

Titles to real estate insured

Loans on mortgage and approved securities

Trusts executed

Safe Deposit Boxes rented in burglar-proof vaults

President

WILLIAM R. NICHOLSON

Vice-President and General Counsel

EDWARD H. BONSALE

Vice-President

LEWIS P. GEIGER

Secretary

LOUIS A. DAVIS

Trust Officer

CLAUDE A. SIMPLER

Treasurer

WILLIAM S. JOHNSON

Assistant Treasurer

WILLIAM J. HAMILTON, JR.

Assistant Secretary

EDWARD K. MERRILL

Assistant Secretary

RAYMOND L. HAYMAN

Assistant Trust Officer

JOHN W. BROCK, JR.

Assistant Trust Officer

FRANK E. HOLLAND

Real Estate Officer

H. LEROY WEBB

Title Officer

PEIRCE MECUTCHEN

Manager Title Department

SAMUEL EARLEY

DIRECTORS

William R. Nicholson

Samuel S. Sharp

John W. Brock

Eugene W. Fry

Ralph H. North

Joseph E. Widener

Edward H. Bonsall

William M. Elkins

George D. Widener

Thomas Shallcross, Jr.

Percival E. Foerderer

Geo. W. Elkins

Cyrus H. K. Curtis

John C. Martin

Edgar G. Cross

Fidelity-Philadelphia Trust Company

325 Chestnut Street

415 Chestnut Street

1431 Chestnut Street

Broad and Chestnut Streets

6324 Woodland Avenue

Statement of Condition June 30, 1927

RESOURCES

Cash on hand and in Banks	\$13,649,260.02
Loans upon Collateral	58,249,901.28
Investment Securities Owned	44,984,483.15
Real Estate Owned	3,248,018.89
Other Assets	2,450,273.51
	\$122,581,936.85

LIABILITIES

Capital Stock	\$6,700,000.00
Surplus	21,000,000.00
Undivided Profits	3,598,275.18
Reserve Fund for Building	800,000.00
Bills Payable with Federal Reserve Bank ..	2,000,000.00
Other Liabilities	4,332,525.33
Deposits	84,151,136.34
	\$122,581,936.85

Trust Funds, \$638,062,109.38

Corporate Trusts, \$896,498,500.00

WILLIAM P. GEST,
Chairman of the Board

J. CALVIN WALLACE
Treasurer

HENRY G. BRENGLE,
President

WEST END TRUST COMPANY

Broad Street and South
Penn Square, Philadelphia

Capital and Surplus, \$4,000,000

CHECKING ACCOUNTS
SAVINGS FUND ACCOUNTS

Acts as Executor, Guardian or Trustee
Lends Money on Approved Collateral Security

THIS BANK WILL SERVE YOU WELL

Yours to Command for High Grade Service

Deposit your funds with us and receive 4% interest on your Savings.
Make a Will and appoint us Executor so that you may obtain the benefit of our knowledge and experience.

When buying Real Estate bear in mind that we insure titles and will guard your interests.

Any service in the nature of Banking, Decedents estates and Real Estate is here at your command.

Continental-Equitable Title and Trust Company

Twelfth Street Above Chestnut, Philadelphia

Capital \$1,000,000

Surplus \$2,000,000

Deposits Over \$17,000,000

OFFICERS

WILLIAM J. McGLINN, President
JEREMIAH J. SULLIVAN, Vice-President
JOHN R. UMSTED, Vice-President
PETER F. MOYLAN, M. D., Vice-President
JOHN V. LOUGHNEY, Vice-Pres. and Treas.
JAMES M. DALY, Vice-President
JOHN F. McMENAMIN, Sec'y and Asst. Treas.
WM. J. FITZPATRICK, Asst. Sec'y. and Asst. Treas.
FRANK T. MATTHEWS, Trust Officer
EDWARD F. STANTON, Asst. Trust Officer
JOSEPH MALLON, Real Estate Officer
JOSEPH A. McMAHON, Mgr. Title Dept.
BROWN & WILLIAMS, Counsel

DIRECTORS

WATSON K. ALCOTT
EDWARD F. BEALE
JAMES M. DALY
CHARLES C. DRUEDING
THOMAS M. FITZGERALD
JAMES A. FLAHERTY
EDWARD J. FLANIGAN
JOHN J. HENDERSON
WALTER H. JOHNSON
WILLIAM J. McGLINN
PETER F. MOYLAN, M. D.
JOHN A. MURPHY
JOSEPH O'NEILL
JEREMIAH J. SULLIVAN
JOSEPH C. TRAINER
JOHN R. UMSTED
DANIEL F. WATERS
AUBREY H. WEIGHTMAN
IRA JEWEL WILLIAMS

FRANKLIN FOURTH ST. NATIONAL BANK

Chestnut Street West of Broad

Philadelphia, June 30, 1927

RESOURCES

Loans and Investments.....	\$100,954,263.52
United States Bonds and Certificates.....	8,309,387.50
Customers' Liability under Letters of Credit and Acceptances.....	1,695,141.85
Interest Earned Uncollected.....	502,388.65
Due from Banks.....	26,890,092.71
Cash and Reserve.....	10,412,187.03
Exchanges for Clearing House.....	5,510,850.27

LIABILITIES

Capital.....	\$ 6,000,000.00
Surplus.....	15,000,000.00
Undivided Profits.....	3,788,514.60
Dividend Payable July 1, 1927.....	300,000.00
Reserved for Taxes, etc.....	182,395.38
Discount and Interest Unearned.....	89,716.29
Letters of Credit Issued to Customers and Acceptances.....	1,749,176.81
Acceptances of other Banks Sold.....	135,534.19
Bills Payable at Federal Reserve Bank Secured by U. S. Obligations.....	3,500,000.00
Deposits.....	123,528,974.26

OFFICERS

J. R. McAllister, Chairman of the Board
E. F. Shanbacker, President
W. K. Hardt, Vice President J. Wm. Hardt, Vice President
J. A. Harris, Jr., Vice President W. R. Humphreys, Vice President
R. J. Clark, Cashier

DIRECTORS

W. W. Atterbury	Edgar C. Felton	Wm. R. Nicholson
John Hampton Barnes	Geo. H. Frazier	C. S. W. Packard
Edward F. Beale	W. K. Hardt	Frank T. Patterson
Harry A. Berwind	J. Andrews Harris, Jr.	John O. Platt
Samuel T. Bodine	Robert P. Hooper	William M. Potts
Isaac H. Clothier, Jr.	Sydney E. Hutchinson	Frederic Rosengarten
Morris L. Clothier	William H. Kingsley	E. F. Shanbacker
Jay Cooke	Lewis Lillie	George M. Shriver
Charles A. Daniel	Herbert Lloyd	Henry Tatnall
William de Krafft	R. Rutherford McAllister	George F. Tyler
Agnew T. Dice	Percy C. Madeira	Sidney F. Tyler
William A. Dick	Effingham B. Morris	Joseph W. Widener
George Dallas Dixon	Jonathan C. Neff	J. M. Wilcox
		Charlton Yarnall

Main Office: 1416 Chestnut St.

Downtown Office: 131-145 S. Fourth St.

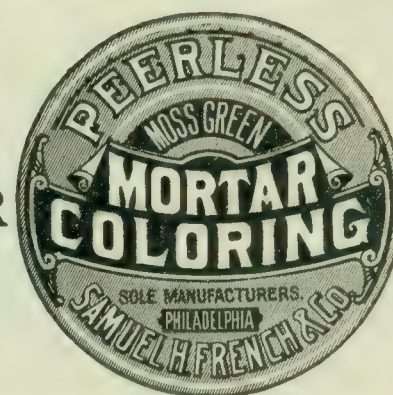
West Philadelphia Office: 32nd St. and Lancaster Ave.

FRENCH'S

"Quality First"

PEERLESS

MORTAR



COLORS

Brightest

Strongest

Unfading

Manufacturers also of the Famous

BUCK WHITE LEAD A combination white paint
CROWN PAINTS - Ready Mixed, semi-liquid, paste
COLORS - in Oil, Japan, distemper, dry
VARNISHES - Elastic, durable, lustrous

SAMUEL H. FRENCH & CO.

York Ave., Fourth and Callowhill Sts.

Established 1844

PHILADELPHIA

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

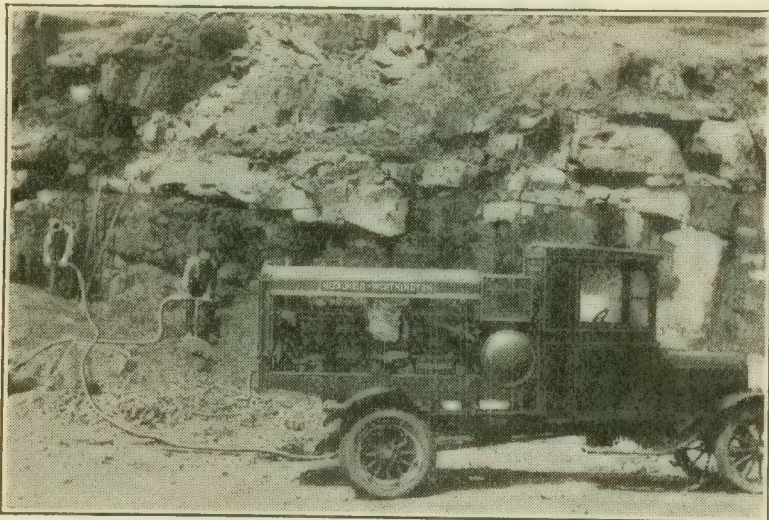
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

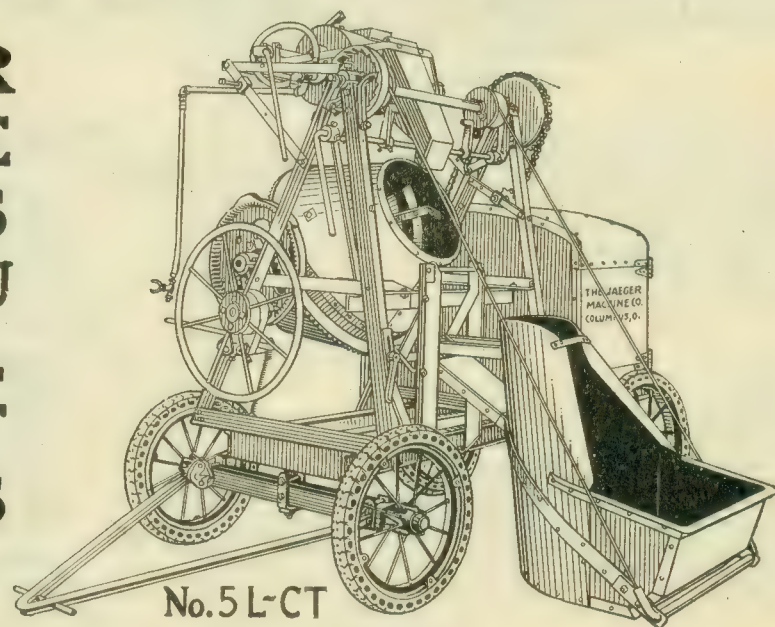
METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

R
E
S
U
L
T
S



S
E
R
V
I
C
E

JAEGER MIXERS

DON'T KNOW
A DISSATISFIED USER

LEE T. WARD CO.

617 FILBERT STREET
PHILADELPHIA

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 28

PHILADELPHIA
July 13, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.



As The Editor Sees It



THE semi-annual report of building operations in Philadelphia for the first six months of this year, published in detail on other pages of this issue of the GUIDE, shows a decline of \$8,688,010 in total value of work of all kinds compared to the first six months of 1926.

The total value of all work for which building permits were issued in the six months ending June 30 was \$61,511,490, compared to \$70,199,500 for the first six months of 1926. The number of operations show a decrease of 584 for same period.

To June 30, 1927, permits were issued for 6255 new buildings at an estimated cost of \$54,070,015; alterations and additions, 3252 permits amounting to \$7,123,120 were issued, and miscellaneous permits, 1047, amounting to \$318,355.

The greatest decrease is noticeable in residences of the two-story type; in first-half year of 1926 \$23,582,225 was expended for this class of work; in six months of 1927, \$21,596,175, a decrease of \$1,986,050—a decline in number very slight, 4965 operations of the two story type in 1926 and 4888 in 1927 to June 30 or a drop in number of only 77, showing

that the average cost of the two-story house is materially lower this year. Residences of the three story type and the frame type show decreases in the same period.

Tenement houses show a marked increase in number and estimated cost, 35 costing \$4,507,000 in first half of 1926 and 66 costing \$8,138,500 in 1927 to date—manifesting a decided preference of the public for apartments. Manufactories declined \$2,121,075 in value with a loss of only two in quantity—40 valued at \$4,507,650 in 1926 first half year, and 38 valued at \$2,386,575 to June 30, 1927. In the period to June 30, 1927, 838 garages costing \$2,632,510 were started, whereas 906 costing \$2,616,235 were started in first half of 1926—a decline of 68 garages but an increased cost of \$16,275. Schools declined in value from \$5,422,505, the value of 9 built in 6 months of 1926, to \$3,715,450, the cost of 8 schools built in 6 months of 1927. Office Buildings show loss of 5 in number and a loss in value of \$1,036,975 in the corresponding periods. Another noticeable loss was caused by the lack of Sesqui-Centennial Buildings which in first half of 1926 increased the value of building by \$4,229,455. Hospitals increased

from 4 costing \$857,000 to 7 costing \$2,358,000.

June, with \$15,843,590 estimated value of work started, is the largest month of 1927, a drop, however, of \$1,799,155, compared to June, 1926, which was the highest June on record at Bureau of Building Inspection.

The record for the first six months of 1926:

Month	Permits	Operations	Estimated Cost
Jan.	684	1,208	\$ 7,590,755
Feb.	647	1,081	9,108,245
March ...	1,230	2,524	15,065,885
April	1,436	2,456	11,381,330
May 1,242	1,971	10,410,540	
June 1,176	1,198	16,642,745	

The record for the corresponding six months of 1927:

Month	Permits	Operations	Estimated Cost
Jan.	566	718	\$ 3,254,265
Feb.	777	1,515	7,062,930
March . . .	1,258	2,448	12,788,130
April	1,043	2,172	11,056,185
May	1,079	1,748	12,506,390
June	1,121	1,953	14,843,590

(Continued on page 449)

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

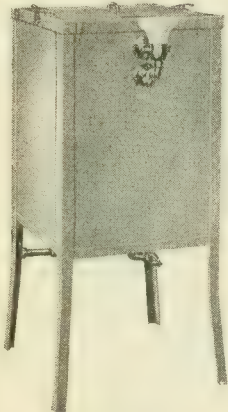
THE JOHN BAIZLEY IRON WORKS

Office, 514 So. Delaware Avenue, Phila.

Blacksmiths, Boilermakers and Machinists, FIRE ESCAPES, Builders' Iron Work, Boilers, Tanks and Stacks, Railings and Structural Iron Work. Boiler Tubes Safe-ended. Oxy Acetylene Welding.

PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

Fleck Bros. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage (2-car), Rounford road and Ardleigh street, Chestnut Hill, Pa. Architect, George S. Idell, 1510 Chestnut St., Phila. Owner, name withheld. Stone, 2½ stories, 55x28 feet, wing 24x25 feet, Bangor slate (black) roof, hardwood and linoleum floors, hot water heat, electric light, (3) tile baths and tile kitchen, road work, steel sash. G. H. English, 3016 Queen Lane, Phila., taking sub-bids due July 14th, 2 P. M.

Garage (4-car), Chestnut avenue and Towanda street, Chestnut Hill, Pa. Architect, Geo. S. Idell, Corn Exc. Bldg., Phila. Owner, Irvin King, on premises. Stone, 1 story, 30x36 feet, concrete roof, concrete floors, limestone coping, steam heat, electric light. Architect taking bids.

Station, Broad and Huntingdon streets, Philadelphia, \$2,000,000. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Engineer, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Indiana limestone, 1 story and mezzanine, 180x860 feet, reinforced concrete concourse 110x35 feet platform, 1,150 feet tunnel, reinforced concrete ramps. Plans in progress.

Sunday School, Jackson and Comly streets, Philadelphia. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owners, Wisconsin Methodist Episcopal Church, Rev. D. Sherry, 3416 Devereaux street. Stone, brick, 1 story and basement, 40x90 feet, slag roof, slate roof, maple floors, steam heat, electric light. Plans in progress.

Store and Apartment (alts. and add.), Frankford avenue, \$5,000. Architect, S. D. Milner, 4616 Frankford avenue, Philadelphia. Owners, name withheld. Brick, rear add., 1 story, 15x16 feet, interior alterations, new bulks, hot air heat. Plans about completed.

Bank (alts. and add.), 1432 Market street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Mitten Bank, Broad and Market streets, Philadelphia. Brick, steel, 2 stories, 15x72 feet. Plans in progress. Architect will take bids in three weeks.

School, Third and Mifflin streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans

completed. Plans ready for bidders soon. Bids due August 2nd.

Schools (3), Eleventh and Thompson, Twelfth and Ogden, Seventeenth and Dickinson. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners will take bids in the fall.

Anatomical and Physiological Chemistry Laboratory, Thirty-fourth and Spruce streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, University of Pennsylvania, on premises. Brick, stone, cut stone, steel, granite, 4 stories and basement, 245x53 feet, wing 145x53 feet, asphalt built-up roof, cement floors, safety treads, metal weather stripping, plumbing, architectural terra cotta, bluestone, metal partitions, cork insulation, vacuum system, iron pipe, ornamental iron work, floor hardener, bond, hollow metal doors and sash, metal lath. Architects taking bids due July 21st.

Loft Building, 232-48 North Eleventh street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Manufacturing Exchange Realty Co., care of William Goldstein Co., 1415 Locust street. Reinforced concrete, brick, 16 stories and basement, 161x96 feet, slag roof, cement floors, elevators, safety treads, plumbing, metal weather strip, waterproofing and dampproofing, area gratings, wrought iron pipe, brass pipe, ornamental iron work, floor hardener, iron stairs, rolled steel doors, tile and marble work, hollow metal sash, metal lath, electric light, oil burners, steam heat. Architect taking bids due July 14th before noon.

Departmental Sunday School, Fifty-third and Wyalusing avenue, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Blockley Baptist Church, J. A. Haines, on premises. Stone, brick, steel, cut stone, 2 stories and basement, 72x80 feet, slag roof, composition, maple floors, electric light, metal lath, marble work, dampproofing, bluestone, wall finish, ornamental iron work, wrought iron pipe, plumbing. Architect taking bids due July 18th, 5 P. M.

Residence (alts. and add.), Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Miss Anna Laughlin, Chestnut Hill, Pa. Cinder block, stucco, 2 stories, 11x16 feet, carpentry and mill work, plastering, painting, glazing. Architects taking bids due as soon as possible.

Mt. Sinai New Building and Maternity Wing, 1425 South Fifth street, Philadelphia. **Power House (alts.)**, Fifth and Reed streets, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Architects taking revised bids due as soon as possible.

Kitchen Equipment, General Hospital, Thirty-fourth and Pine streets, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Health, Bureau of Hospitals, City Hall. Owners taking bids due July 15th at noon.

Loft Building, 1311 Arch street, Philadelphia. Owners, Samuel Stern and C. H. Johnson, Packard Building, Philadelphia. Brick, steel, concrete, 20x125 feet. Work contemplated.

Factory Building, Southeast Corner Fifty-third and Whitby avenue, Philadelphia. Owners, Wilkinson Equipment Co., 1011 Chestnut street, Philadelphia. Work contemplated.

Bank Building, Fifty-fourth and Chester avenue, Philadelphia. Architect, Robert W. Pollock, 8 South Hicks street, Philadelphia. Owners, Southwestern Title & Trust Co., care of J. Dewale, Jr., 1411 Chestnut street, Philadelphia. Limestone, 1 story. Preliminary plans in progress.

Lunch Room, Train Floor, Reading Terminal, Twelfth and Market streets. Engineer, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad Co., Twelfth and Market streets, Philadelphia. Brick work, hollow tile, metal lath, plastering, carpentry and mill work, tile work, terrazzo floors, marble work, sani-metal stools, painting, glazing, hardware, electric work. Owners taking bids due July 15th.

Sunday School Chapel (alts. and add.), Germantown avenue above Church lane, Phila-

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

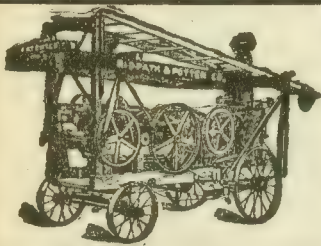
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

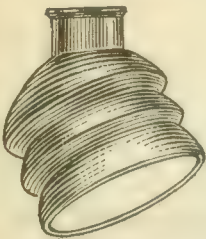
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

delphia. Architect, Albert Dobbins, 1718 Cherry street, Philadelphia. Owners, Market Square Presbyterian Church, on premises. Electric work, metal lath, composition floor, plastering, plumbing, carpentry and mill work, pointing and glazing, iron work (heating, wall decorations, kitchen equipment, floor coverings reserved). Architect taking bids due July 15th.

Shop Building (add.), Allison and Arch streets, Philadelphia. Architect, private plans. Owner, Samuel Yellin, 5520 Arch street, Philadelphia. Brick, steel, 2 stories and basement, 100x35 feet, slag roof, cement and pine floors, steam heat, electric light, rolled steel sash, ornamental iron work. Owner taking bids due July 18th.

Building, Parkside and Edgeley streets, Northeast of Forty-ninth street, Philadelphia. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Edwin Forrest Home, W. E. Herring, 126 North Twelfth street, Philadelphia. Brick, reinforced concrete, steel, limestone, 2½ stories and basement, 127x65 feet, slate and tile roof, cement floors, hollow tile, architectural terra cotta, bluestone, area gratings, ornamental iron work, bond, rolled steel sash, tile, marble and terrazzo work, metal lath, electric light, steam heat, plumbing, kitchen equipment, metal partitions. Architect taking bids due July 20th.

Building (alts.), No. 4 and No. 5, Girard College, Philadelphia. Architect, private plans. Owners, Girard College, F. P. Zesinger, Girard and Corinthian avenues, Philadelphia. Carpentry and mill work, partitions, metal lath, plastering, hardware. Owners taking bids due July 15th.

Residences (4), South side Viola street, East of Forty-second street, Philadelphia, \$20,000. Architect, private plans. Owners, Altman Brothers, 4915 Wayne avenue, Philadelphia. Brick, 2 stories, 15x29 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, East side Wayne avenue, North of Carpenter street, Philadelphia, \$16,000. Architect, private plans. Owner, Robert Kilough, Wayne avenue and Duval street, Philadelphia. Brick, 3 stories, 20x25 feet, 16x25 feet, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residences (24), South side Spencer street, West of Fourth street, Philadelphia, \$97,000. Architect, private plans. Owner, Louis Segal, 5602 North Tenth street, Philadelphia. Brick, 2 stories, 15x37 feet, 11x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (24), Garage (1), North side Clarkson street, East of Penn street, Phila-

delphia, \$91,800. Owner, Fred G. Storek, 1345 Grange street, Philadelphia. Brick, 2 stories, 15x26 feet, 12x10 feet, garage, 1 story, 39 x irregular, slag roof, hardwood, pine and cement floors. Permit issued.

Residences (4), Wellington street, East of Frontenac street, Philadelphia, \$16,000. **Residences (2)**, Tabor street, North of Shelmire street, Philadelphia, \$8,000. Owner, Louis Leitenberger, 1905 Cottman street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (44), East side Provident street, North of Limekiln pike, Philadelphia, \$154,000. Architect, private plans. Owners, John J. Bateman & Sons, 5601 North Sixteenth street, Philadelphia. Brick, 2 stories, 15x25 feet, 10x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (31), East side Glendale street, North of Locoming street, Philadelphia, \$126,000. Architect, private plans. Owner, Abe Kauffman, 1760 North Aberdeen street, Philadelphia. Brick, 2 stories, 15x27 feet, 11x11 feet, slag roof, pine floors, electric light. Permit issued.

Residence, East side Fourth street, South of Sixty-fifth avenue, Philadelphia, \$7,000. Architect, private plans. Owner, William Shoemaker, 5726 North Mascher street, Philadelphia. Brick, 3 stories, 26x31 feet, hot water heat, electric light. Permit issued.

Auto Laundry, North side Phil-Elena street, East of Chew street, Philadelphia, \$5,000. Architect, private plans. Owner, A. Leibovitz, Franklin Trust Building, Philadelphia. Brick, 1 story, 40x75 feet. Permit issued.

Service Station, 2200-02 Bainbridge street, Philadelphia, \$3,000. Architect, private plans. Owner, A. Leibovitz, Franklin Trust Building, Philadelphia. Brick, 1 story, 16x16 feet, slag roof, cement floors. Permit issued.

Garage, 562 East DuPont street, Philadelphia, \$3,000. Architect, private plans. Owner, Harper H. Mattis, 562 East DuPont street, Philadelphia. Brick, 1 story, 93x20 feet 2 inches, slag roof, cement floors. Permit issued.

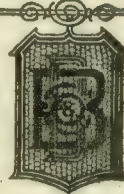
Residence (alts.), 3944 Chestnut street, Philadelphia, \$7,500. Architect, private plans. Owner, William T. Harris, on premises. General alterations. Permit issued.

Service Station, Northeast Corner Fifty-seventh and Walnut streets, Philadelphia, \$5,000. Architect, private plans. Owners, American Oil Co., Widener Building, Philadelphia. Brick, 1 story, 13x13 feet. Permit issued.

Miscellaneous School Work, Philadelphia. Low bidders. Architect, I. T. Catherine, Nine-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

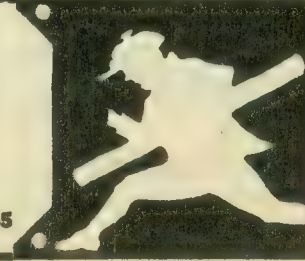
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



teenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Normal School: Weiss Const. Co., 801 Walnut street, \$69,267; Mitchell Brothers, 2125 Race street, Philadelphia, \$70,000; electric, Mitchell & Co., 1337 McFerran street, Philadelphia, \$12,500; air heaters, H. B. Smith, Forty-ninth and Gray's avenue, \$1,045; radiation, McClintock & Son, 1937 Ridge avenue, \$360; plumbing, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$17,491. Vane School: Thomas C. Trafford, 2339 North Fifteenth street, \$181,000; Mitchell Brothers, 2125 Race street, Philadelphia, \$194,900; plumbing, William Newell, 2035 Arch street, Philadelphia, \$3,852; electric, Walker & Kepler, 530 Chestnut street, Philadelphia, \$2,923; heating, Fred Wackenhutt, 2416 Frankford avenue, \$20,798. Taggart School: E. C. Durrell, 1713 North Twenty-fourth street, \$36,600; Mitchell Brothers, 2125 Race street, Philadelphia, \$40,000; heating, Fred Wackenhutt, 2416 Frankford avenue, \$929.

Bridge Repairs, Girard avenue, over Schuylkill River. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Low bidders: M. & J. B. McHugh, 892 North Markoe street, Philadelphia, \$157,145; Golder Const. Co., 263 South Fifteenth street, Philadelphia, \$237,160.

Miscellaneous Grading and Paving, Philadelphia. Owners, Department of Public Highways, 216 City Hall, Philadelphia. Low bidders: Bustleton to Montgomery County Line, County Line road, Curtis Brothers, State road, Philadelphia, \$20,747.45. East Drive Bensalem avenue, Grant to Poquessing Creek, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$212,204.42. Briar road, Seventy-fourth to Washington lane, J. F. Molloy, 15 East Mermaid lane, Philadelphia, \$6,136.80. Sixty-sixth to Sixty-seventh streets, Louis Delente, 5112 Master street, Philadelphia, \$12,810.16; Joseph Ciccone, 5732 Westminster

avenue, \$12,810.16. Asphalt Paving, Johnston street, Eighteenth to Nineteenth, Eastern Asphalt Co., Pennsylvania Building, \$6,698.34. Bainbridge street, Broad to Twenty-first, Municipal Const. Co., Second and Wingohocking streets, \$27,904.08. Wayne, Manheim to Penn street, Municipal Const. Co., Second and Wingohocking streets, \$24,458.20. Twentieth, McKean street, Passyunk avenue, Municipal Paving Co., Second and Wingohocking streets, \$9,481.32. Twenty-second, Fairmount to Brown street, Municipal Paving Co., Second and Wingohocking streets, \$9,845.05. Forty-third street, Spruce to Pine, Municipal Const. Co., Second and Wingohocking streets, \$4,854.50. Rittenhouse, Wissahickon avenue to Pulaski avenue, United Paving Co., Widener Building, Philadelphia, \$24,655.10. Woodland avenue to Thirty-fourth on Spruce street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$19,245. Paving and repaving certain alleys, M. & J. B. McHugh, 892 North Markoe street, Philadelphia, \$2,534.05. Paving mixture, Union Paving Co., Thirtieth and Locust streets, \$50,750. Forrest avenue sewer, P. & A. J. Ellis, Fourth below Wyoming avenue, \$79,736.25. Greenwood street, Chelton to Virun road, N. Cerusi, Philadelphia, \$15,290.15. Contract No. 191, Broad street sidewalk, Filbert to Noble, Elkins Paving Co., 834 North Holly street, Philadelphia, \$26,500.

Contract No. 166, Broad street paving, Butler to Lowden, Venango and Belfield streets, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Deposit \$10, refunded. Certified check, 5 per cent. Owners taking bids due July 21st at 11 A. M., Standard Time.

Furnish and Install One New Heating Boiler in United States Custom House, Philadelphia. Architect, J. A. Wetmore, Washington, D. C. Owners, United States Government, Washington, D. C. Owners taking bids due July 15th, 3 P. M.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building, 211 South Seventeenth street, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Brick, cut stone, 2 stories and basement, 70x20 feet, slag roof, cement and maple floors, plumbing, glazing, painting, vapor heat, electric light, rolled steel sash, skylights, ornamental iron work, iron pipe. Contract awarded Conneen Const. Co., 2313 Walnut street, Philadelphia.

Office Building, Shop and Shed, 613-23 South Twenty-fourth street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut street, Philadelphia. Owner, D. J. Keating, 2042 Rittenhouse street, Philadelphia. Brick, reinforced concrete, cut stone, granite, steel, 1 story and 2 stories and basement, 100x43 feet, slag roof, composition and cement floors, hollow tile, electric light, metal lath, rolled steel sash, skylights, ornamental iron work, bond, area gratings. Contract

awarded to G. W. Wagoner, 909 South Twenty-fifth street, Philadelphia.

Show Room, 6312 Rising Sun avenue, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owners, Coulston

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Par-Lox

Par-Lox for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lox*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private homes
and are equipped with coil, box or fabric springs



Write for our descriptive literature or
display rooms. See our all purpose
equipment and Murphy cabinet ironing
well as samples of the Murphy

THE MURPHY DOOR BED

512 Bulletin Building
Philadelphia
Penna.

Berke
19 Wes
N

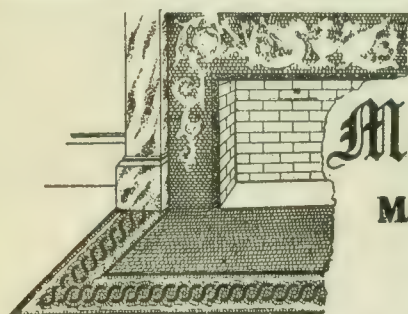
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

DAILY BUILDING NEWS LEADS TO BUSINESS

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Comfortable
Building. The firms
recognized Standard and
Services. Avail yourself
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONE

Protects Masonry Surfaces

Examine your concrete or stucco walls. If hairline cracks
the surfaces should be immediately waterproofed by applying

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but it
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

BEDS

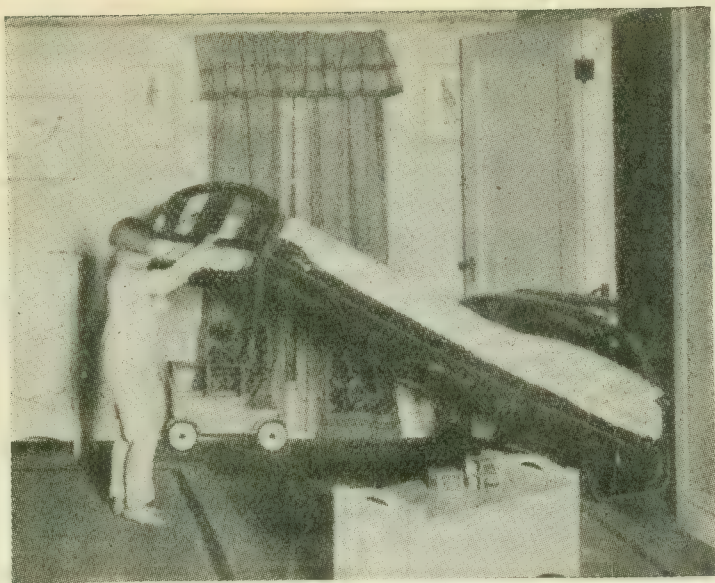
comes
rings

call at our
plain kitchen
boards as
Beds

ED CO.

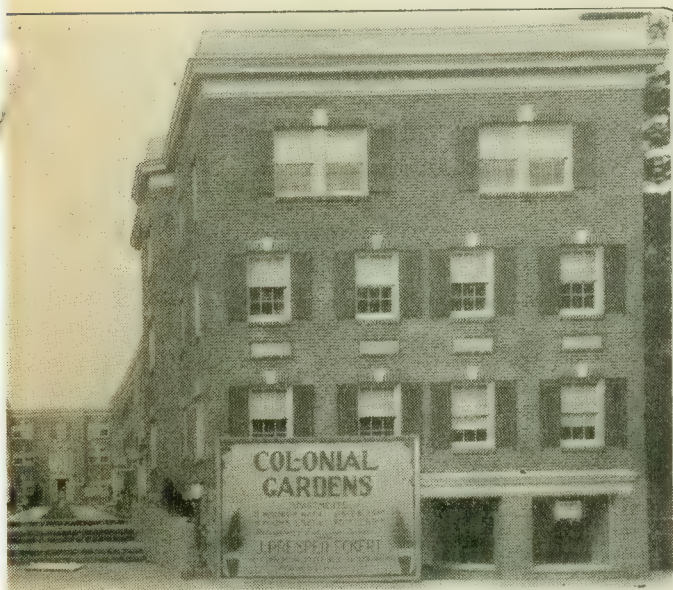
ley Building
t 44th Street
New York

R BED



A child can operate the bed

comfortable, Convenient
here represented sell
and Specified Materials or
elt of their co-operation.



ONETEX

urfaces

checks are beginning to show,
ing Truscon STONETEX.

and the concrete is spalling
n stopped by the application

does it prevent moisture
t also covers the surface
dries flat. It does not
like masonry.



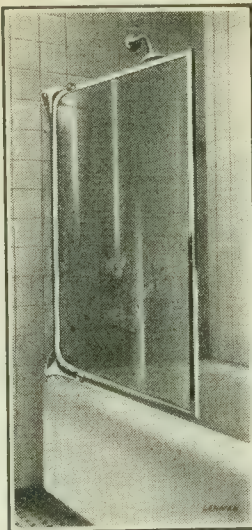
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

BELMONT IRON WORKS
PHILADELPHIA NEW YORK EDDYSTONE
Engineers - Contractors - Exporters
STRUCTURAL STEEL
Complete Industrial Buildings

MAINT OFFICE & WORKS, PHILA.
22nd and Washington Ave.

CABLE ADDRESS:
"BELIRON"

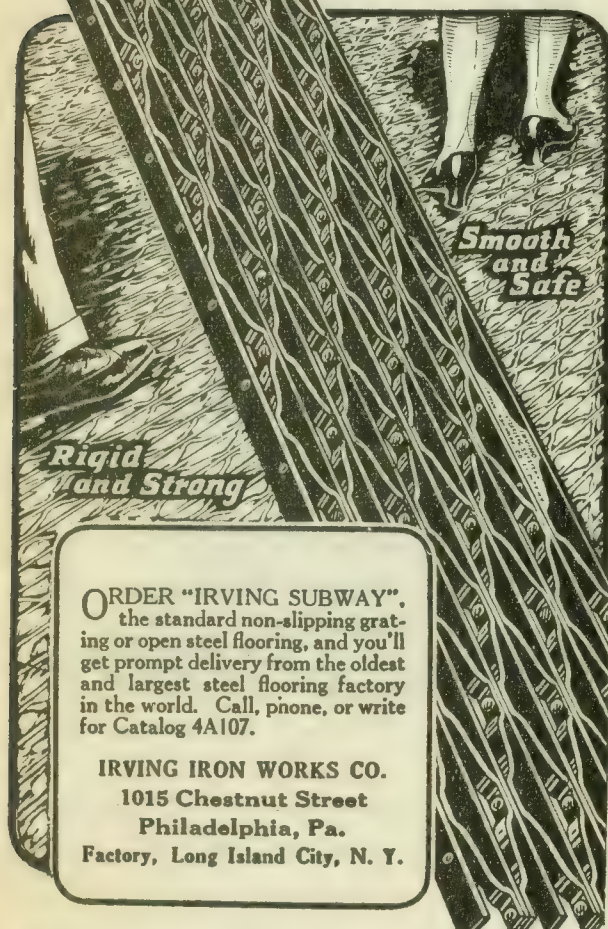
NEW YORK OFFICE:
32 BROADWAY

Code: Western Union
Five Letter Edition

Illustrated Catalog in English, French and Spanish
mailed on request

Complete warehouse stock structural shapes and
plates ready for immediate shipment

Always-When You Need Gratings —



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY",
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

McFarlane, Inc., on premises. Brick, 1 story. Contract awarded William F. Koelle Co., Inc., 1633 Race street, Philadelphia.

Storage (add. to kitchen), United States Veterans' Hospital, No. 49, Philadelphia. Architects, Construction Department, United States Veterans' Bureau, Washington, D. C. Owners, United States Government Veterans' Bureau, Washington, D. C. Brick, concrete, 1 story, 70x27 feet, tin roof, pine floors, steam heat, electric light, metal lath, bond, iron pipe. Contract awarded C. J. Bennett, 1633 South Fifty-ninth street, Philadelphia, \$9,400. Refrigeration plant awarded to Curtis-Grindrod Co., 10 South Eighteenth street, Philadelphia, \$3,500.

Factory (add.), Nineteenth and Westmoreland streets, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owner, R. H. Hood, on premises. Brick, steel, 1 story and basement, 48x76 feet, gypsum roof, cement floors, plumbing, electric light, rolled steel sash and doors, saw-tooth skylights. Contract awarded E. E. Hollenback, Inc., 1910 North Marshall street.

Toilet Building, Bridge Street Station, Frankford Elevated, Philadelphia. Owners, Philadelphia Rapid Transit Co., Eighth and Dauphin streets, Philadelphia. Frame copper siding, 8x10 feet, electric light, slate, plumbing, hardware, plastering. Contract awarded Kaufman Const. Co., Pennsylvania Building, Philadelphia, who are taking sub-bids due at once.

Store and Apartment (alts. and add.), 3701 Spruce street, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, H. Baylinson, Thirty-fourth and Walnut streets, Philadelphia. Brick, cut stone, reinforced concrete, limestone, 2 stories and basement, 100x18 feet, slag roof, cement and maple floors, roof ventilators, waterproofing and dampproofing, architectural terra cotta, ornamental iron work, area gratings, bond, metal bulks, rolled steel skylights, tile and marble work, terrazzo work, metal lath. Contract awarded William E. Smello, 121 North Seventh street, Philadelphia.

Manufacturing Building, Fifth and Noble streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owner, Walter P. Miller, 452 York avenue, Philadelphia. Reinforced concrete, 4 stories, 84x88 feet. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Residence (add. and alts.), 2538 East Dauphin street, Philadelphia, \$2,000. Architect, W. F. B. Koelle, Otis Building, Philadelphia. Owners, Summerfield Methodist Episcopal Church, on premises. Brick, 3 stories add., 16x8 feet, demolition, shoring, concrete, cement, iron, steel, copper roof, tile, plastering, electric work, carpentry, mill work, hardware,

painting, plumbing, metal lath, sheet metal. Contract awarded to Charles H. Booker, 2257 North Uber street, Philadelphia.

Repair Shop, West side Frankford avenue, North of Meridian street, \$9,000. Architect, private plans. Owner, G. Howard Mitchell, Decatur and Cottage streets, Philadelphia. Brick, 1 story, 50x71 feet. Contract awarded to M. E. Rodgers, 7732 Cottage street, Philadelphia.

Residence, West side Third street, South of Sixty-sixth avenue, Philadelphia, \$7,000. Architect, private plans. Owner, Mary Evans, 203 West Loudon street, Philadelphia. Brick, 2 stories, 22x35 feet 2 inches, hot water heat, electric light. Contract awarded to Robert Evans, 203 West Loudon street, Philadelphia.

Residence and Store (add.), 5450 Spruce street, Philadelphia, \$5,000. Architect, private plans. Owner, John McMullen, on premises. Brick, 2 stories add., 16x6 feet 9 inches. Contract awarded to Charles W. Lubker, 5349 Chancellor street, Philadelphia.

Residence and Store (add.), 1920 South Seventh street, Philadelphia, \$4,500. Architect, private plans. Owner, M. Torofsky 1920 South Seventh street, Philadelphia. Brick, 2 stories add., 16x33 feet. Contract awarded to Philip Savar, 718 Snyder avenue, Philadelphia.

Residence (add.), South side Chester avenue, West of Fifty-sixth street, \$4,500. Owners, care of Rev. James T. Higgins, on premises. Brick, 2 stories add., 21x16 feet. Contract awarded to M. Melody & Son, 1322 Race street, Philadelphia.

Residences (25), North side Brill street, East of Summerdale street, \$90,000. Architect, private plans. Owner, Joseph K. Cone, 5450 Germantown avenue, Philadelphia. Brick, 2 stories, 15x25 feet, 12x8 feet, slag roof, pine floors. Contract awarded to John J. McDonnell, 5450 Germantown avenue, Philadelphia.

Residence, North side Mt. Airy avenue, West of Sherman street, Philadelphia, \$15,000. Architect, private plans. Owner, Clarence D. Tuska, Malvern Hall Apartments, Philadelphia. Stone, 3 stories, 38x30 feet, slate roof, hardwood and pine floors. Contract awarded to Samuel Harting & Son, 20 East Johnson street, Philadelphia.

Residence, Northwest Corner Loretto and Disston streets, Philadelphia, \$7,250. Architect, private plans. Owner, Fred A. Lotz, 2139 North American street, Philadelphia. Brick, 2 stories, 30x32 feet, hot water heat, electric light. Contract awarded to Henry Hofmaier, 7342 Dorcas street, Philadelphia.

Residence (alts.), 717 South Fifty-fifth street, Philadelphia, \$5,000. Architect, private plans. Owner, J. R. Way, 5641 Montour street, Philadelphia. General alterations. Con-

On the Ground When Wanted

AN ambition to give your orders the kind of attention that will **THOROUGHLY** satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a **REAL** Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

CLAUSEN
TERRA COTTA

FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.

tract awarded to Albert N. Lowden, 734 South Fiftieth street, Philadelphia.

Residence and Store (add. and alts.), 4463 Frankford avenue, \$4,000. Architect, private plans. Owner, Savino Piricelli, on premises. General alterations and addition. Contract awarded to Buzby & Propert, 1658 Unity street, Philadelphia.

Show Room, 1423-27 Germantown avenue, Philadelphia, \$72,000. Architect, private plans. Owner, H. M. Lotz, 200 Drexel Building, Philadelphia. Brick, 2 stories, 60x200 feet, slag roof, electric light. Contract awarded to A. Garner, 5936 Baltimore avenue, Philadelphia.

Warehouse, Northwest Corner York and Philip streets, Philadelphia, \$15,000. Architect, private plans. Owner, P. Frank, 441 South Sixty-third street, Philadelphia. Brick, 3 stories, 38 feet 8 inches x 20 feet, 17 feet 6 inches x 61 feet, slag roof, electric work. Contract awarded to H. Alterman, 2731 West Somerset street, Philadelphia.

Residence and Store (add.), 7942-44 Oxford street, Philadelphia, \$5,600. Architect, private plans. Owner, George Hoffman, 7942 Oxford street, Philadelphia. Brick, 1 story, 30 feet 6 inches x 37 feet, general alterations. Contract awarded to George Krewson, 330 Franklin avenue, Cheltenham, Pa.

Residence (add.), 1007-13 Ellsworth street, Philadelphia, \$4,000. Architect, private plans. Owners, St. Maron's Syrian Church, Tenth and Ellsworth streets. Brick, 3 stories add., 6x12 feet. Contract awarded to George Andrews, 1162 South Tenth street, Philadelphia.

Residence (add.), 6500 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. Cerra P. Cope, 6504 Germantown avenue, Philadelphia. Brick, 2 stories add., 14x16 feet. Contract awarded to M. Kitselman, 125 East Upsal street, Philadelphia.

Warehouse, East side Wissahickon avenue, North of Hunting Park avenue, \$25,000. Architect, private plans. Owner, Harold G. Irvin, 1502 Spruce street, Philadelphia. Brick, 1 story, 500x193 feet. Contract awarded to Edward A. Carroll, Jr., 5846 Brush road, Philadelphia.

Residence (add.), 9230 Germantown avenue, Philadelphia, \$5,000. Architect, private plans. Owner, Bruce Ford, on premises. Brick, 2 stories add., 14x17 feet. Contract awarded to Stokes Brothers, 6723 Musgrave street, Philadelphia.

Building (add.), 8027 Frankford avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Emma K. Knauer, 4200 Decatur street, Philadelphia. Brick, 1 story add., 22x35 feet. Contract awarded to Frank G. Castor, 8204 Frankford avenue, Philadelphia.

Residence and Store (add. and alts.), 8030 Frankford avenue, Philadelphia, \$3,000. Architect, private plans. Owner, William F. Knauer, 8028 Frankford avenue, Philadelphia. Brick, 1 story add., 19x7 feet 8 inches, general alterations. Contract awarded to Frank G. Castor, 8204 Frankford avenue, Philadelphia.

Parish House (add), Rittenhouse and McCallum streets, Phila. Architect, Frank R. Watson, 1520 Locust street, Phila. Owners, St. Barnabas Episc. Mission, on premises. Stone, limestone, steel, 1 story, basement and gallery, 38x72 feet, slate roof, cement, pine and composition floors, plumbing, steam heat, metal lath, electric light, bond. Contract awarded W. C. Wright, 22 Harvey St., Phila.

Garage (alts.), N. side Chestnut Ave., W. of of Germantown Ave., \$2,000. Architect, private plans. Owner, Morgan Hibard, on premises. General alterations. Contract awarded to Alfred E. Martin, 1207 Race St., Phila.

Residence, W. Side Sanford St., N. of Byberry Road, Phila., \$6,500. Architect, private

plans. Owner, W. E. Langheiner, 4429 N. Orianna St., Phila. Frame, 2 stories, 24x26 feet, hot water heat, electric light. Contract awarded to Leonard Roberts, Trevoise, Pa.

Pennsylvania Construction News

Substation, Plymouth Meeting, Pa. Architect, John T. Windrim, Commonwealth Trust Building, Philadelphia. Owners, Philadelphia Electric Co., 1000 Chestnut street, Philadelphia. Brick. Plans in progress. Architect will take bids in two weeks.

Church (alts.), Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Moravian Church, care of architects. General interior alterations. Architects about ready for bids.

Residence, Butztown, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, E. Hess, care of architects. Frame, 3 stories, 30x30 feet, slate roof, hardwood floors, flagstone, hot air heat, electric light, tile work. Architects about ready for bids.

Garage and Warehouse, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Lehigh Candy Co., Irwin Knecht, 324 North Seventh street, Allentown, Pa. Brick, 2 stories and basement, 30x50 feet, slag roof, concrete floors, waterproofing, steel sash, tile work. Owners ready for bids.

Bungalow, Spring City, Pa. Architect, J. Vincent Poley, 162 Second avenue, Royersford, Pa. Owner, Thomas Wright, Main and Poplar streets, Spring City, Pa. Brick, concrete, 1½ stories, 26x48 feet, asbestos roof, yellow pine and oak floors, hot air heat, electric light, wood sash, Morgan doors. Plans in progress. Owner will take bids.

Dormitory Group, Bethlehem, Pa. Architects, Weigner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Moravian College, care of architects. Fireproof, stone, 3 stories, 30x270 feet. Sketches in progress.

Leanto Engine House Superstructure, South of Shamokin, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Co., Twelfth and Market streets, Philadelphia. Brick, concrete, 1 story, 180x64 feet, 180x20 feet, leanto, slag roof, pine and cement floors, plumbing, architectural terra cotta, coping, ornamental iron work, bond, fire and hollow metal doors, rolled steel and hollow metal sash, metal partitions. Inspection pits and foundations for engine house (listed above). Grading, water supply, drainage, bond, excavation, grading, two 85-

foot inspection pits, reinforced concrete, wood water tank, cast iron pipe, wrought iron pipe, iron and steel. Owners taking bids due July 15th.

New Passenger Station, Lancaster, Pa. Architect, William H. Cookman, 606 Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Reinforced concrete, brick, steel, granite, limestone, 2 stories and basement, 163x113 feet, cementile, concrete, slag roof, cement floors, hollow tile, plumbing, damp-proofing, steam heat, electric light, metal lath, marble and terrazzo work, rolled steel sash and skylights, kalamein doors, iron stairs, casement windows, wrought iron pipe, bronze work, area gratings, dumb waiters, doors, caulking, electric dumb waiter, ash hoist. Owners taking bids due July 25th.

Patients' Building, Seventeenth and Chew streets, Allentown, Pa. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, Allentown Hospital Association, Fred B. Gerner, president, Seventeenth and Chew streets, Allentown, Pa. Brick, steel, limestone, granite, 6 stories and basement, 156x50 feet, Barrett specification roof, cement and linoleum floors, hollow tile, safety treads, roof ventilators, waterproofing, cast stone, cinder concrete block, steel shelving, metal partitions, ornamental iron, iron stairs, bond, kalamein and hollow metal doors, steel sash, tile, marble and terrazzo, metal lath. Architects taking bids due July 27th.

Residence and Garage, Noble Vista, Jenkintown, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owner, Dr. L. S. Walton, on premises. Brick, hollow tile, stucco, cut stone, 2½ stories and basement, 42x52 feet, garage, 24x18 feet, tile roof, pine, oak and cement floors, metal weather strip, wrought iron pipe, iron work, metal lath, tile and marble work, electric light (heating reserved), plumbing. Architects taking bids due July 14th.

School (alts.), Chester, Pa. Owners, School Board of Chester, C. E. Sanderson, Chester, Pa. Painting exterior and fire escapes, Chester High School. Exterior of Smedley Junior High School. Furnish and install book stalls, library Chester. Furnish and install toilet and washstands in Graham School building. Owners taking bids due July 18th, 7.30 (Daylight Saving Time).

Residence (alts. and add.), Conshohocken, State road and Lafayette road, Lower Merion Township, Pa. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owner, Edward C. Dale, on premises. Carpentry and mill work, concrete and cement work, cut stone, demolition, electric work, oak and pine floors, hardware, hot water heat, stone work, iron work, painting, glazing, plaster, struc-

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

tural steel, tile work, metal weather strips, built-up asphalt roof, variegated slate roof. Architect taking bids due July 15th, 10 A. M.

Church, School and Parsonage, Trainor, Pa. Architects, Bureau of Architects of Methodist Episcopal Church, Seventeenth and Arch streets, Philadelphia. Owners, Trainor Methodist Episcopal Church, Clarence D. Feltón, Trainor, Pa. Brick, concrete, cut stone, steel, 2 stories and basement, irregular in size, slate roof, composition floors, painting, glazing, metal lath, hollow metal sash, kalamein doors, ornamental iron work, metal partitions. Architects taking bids due July 18th.

Reservoir, Emaus, Pa. Engineers, Joseph L. Sweigard & Co., Lincoln Building, Philadelphia. Owners, Borough of Emaus, Robert Stoneback, Borough Clerk, Emaus, Pa. Owners taking bids.

Theatre, Store and Office, Darby, Pa. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Green & Willig, Schaff Building, Philadelphia. Brick, cast stone, steel, 2 stories and basement, 159x144 feet, asbestos built-up roof, composition and cement floors, hollow tile, plumbing, integral waterproofing, terra cotta coping, steam heat, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, hollow metal sash and doors, bond, ornamental iron work, iron pipe, area gratings, rubber tile floors, plumbing, metal toilet partitions, automatic sprinklers. Owners taking bids due July 15th.

Residence (alts. and add.), Haverford, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, J. Barnes, Haverford, Pa. Architects taking bids due July 14th.

Church (alts. and add.), Haws avenue and Marshall street, Norristown, Pa. Architect, H. G. McMurtree, 1012 Walnut street, Philadelphia. Owners, Calvary Baptist Church, Norristown, Pa. Preliminary plans in progress.

Washington Memorial Church and Washington Memorial Library, Valley Forge, Pa. Owners, Valley Forge Memorial, Rev. W. H. Burk, Valley Forge, Pa. Preliminary plans in progress.

Residence, Remington and Ingeburg road, Merion, Pa. Architect, Robert W. Pollock, 8 South Hicks street, Philadelphia. Owner, Julius LeWalle, Jr., 1411 Chestnut street, Philadelphia. Ready for bids in ten days.

Residences (36), Garrett Hill, Delaware County, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, care of architect. Brick, 2 stories and basement, 16x36 feet, slag roof, pine floors, hot water heat, electric light, ornamental iron work. Ar-

chitect taking sub-bids due as soon as possible.

Gymnasium, Mansfield, Pa., \$25,000. Architects, Kast & Kelker, 222 Market street, Harrisburg, Pa. Owners, Mansfield Borough School Board, Lyman Goodspeed, secretary, Mansfield, Pa. Brick, 1 story (heating, plumbing and electric separate). Owners will be ready for bids in about three weeks.

Hosiery Mill, York, Pa. Engineers, William Steele & Son, Fifteenth and Cherry streets, Philadelphia. Owners, Noard Hosiery Co., York, Pa. Plans in progress. Details undecided. Engineers will build.

Residence (alts. and add.), Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Charles H. Evoy, Glenside, Pa. Architects taking bids due July 14th.

School (add.) (McKinley), Glenolden, Pa. Architect, Mahlon J. Bye, Primos, Pa. Owners, School District of Darby Township, H. Fisher, Sharon Hill, Pa. Low bidders: Hood & Gross, 1535 Chestnut street, Philadelphia, \$6,350. Plumbing awarded to William Fowden, Chester, Pa.

Bridges (2), Delaware County, Pa. Owners, Delaware County, G. T. Wades, Controller, Media, Pa. County engineer, Media, Pa. No. 221, Worrell Bridge, over Darby Creek, reinforced concrete, span 32 feet, 22 feet wide. Certified check, \$1,000. Deposit, \$5, refunded. No. 142, Mulford's Bridge, over Mackinapatus Creek, concrete span 20 feet, 50 feet wide. Certified check, \$2,000. Deposit, \$5, refunded. Owners taking bids due July 19th, 11 A. M.

High School, Cornwall, Pa. Architects, Ritter & Shay, Packard Bldg., Phila. Owners, Cornwall School Board, H. Souder, Hazleton, Pa. Brick, reinforced concrete, cut stone, 2 stories and basement, 219x130 feet. Low bidders: Rapp Const. Co., Lebanon, Pa., \$169,000; Fred DeGrott, Harrisburg, Pa., \$192,400.

Office Building, Eddystone, Pa. Architects, Simon & Simon, 249 S. Juniper St., Phila. Owner, Baldwin Locomotive Works. Plans in progress, details undecided.

Repairs to Plumbing and Drainage, Delaware County Jail, Media, Pa. Architect, Geo. S. Idell, 1510 Chestnut St., Phila. Owner, Delaware County, G. A. Wadas, Comptroller, Media, Pa. Owner taking revised bids due August 2nd, 10 A. M. (S. T.) Deposit \$10.00, refunded.

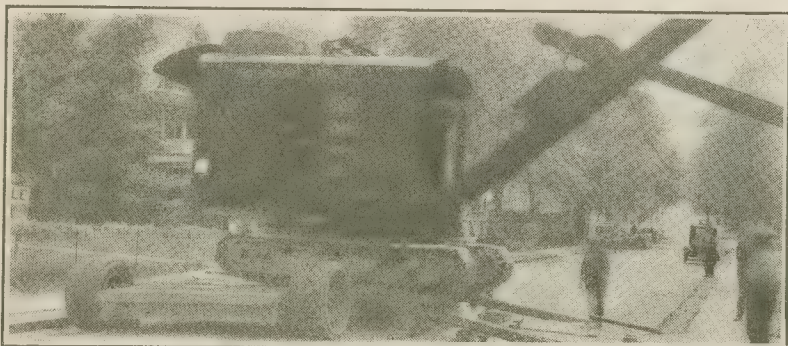
Pump well and Installation of Sewage Trash Pump, Yeadon, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owner, Borough of Yeadon, T. H. Dann, Yeadon, Pa. Owner taking bids due July 28th 8 P. M. (S. T.) Certified check, \$500.

Pennsylvania

Contracts Awarded

Store, Chester, Pa. Architect, A. C. Coshland, Crozer Building, Chester, Pa. Owners, Samuel and Sigmond Propper, Chester, Pa. Brick, steel, 2 stories, mezzanine and basement, 225x65 feet, wing 27x29 feet, composition roof, oak, cement and maple floors, plumbing, metal ceiling, architectural terra cotta, wrought iron pipe, ornamental iron work, steel and kalamein doors, rolled steel sash, steam heat, electric light, metal lath,

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

tile and marble work, sprinkler. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

Residence, Thayer road, Swarthmore, Pa. Architect, J. Linerd Conaroe, 1518 Walnut street, Philadelphia. Owner, Louis Cole Emmons, on premises. Brick work, carpentry and mill work, cement work, electric work, painting, glazing, grading, hardware, metal lath, plastering, plumbing, stair work, structural steel, tile and marble work, structural tile, shingle work, oak, pine floors, hot water heat, electric light, wrought iron pipe. Contract awarded F. K. Worley Co., Wesley Building, Philadelphia.

Club House, Media, Pa. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, Women's Club, Media, Pa. Cinder block, stucco, 2 stories, 34x92 feet, shingle roof, oak and pine floors. Contract awarded H. L. Walton, Moylan, Pa.

Residence, Upland, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, J. R. Granger, Upland, Pa. Stone, 2½ stories, hot water heat, electric light, tile work, shingle roof, hardwood floors. Contract awarded J. Louis Morris, Chester, Pa.

High and Grade School, Brownstown, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, West Earl Township School Board, H. Stauffer, president, Farmersville, Pa. Brick, steel, 1 story and basement, 60x100 feet, composition roof, gum floors, hollow tile, safety treads, tile work (heating, plumbing, electric separate). Contract awarded to Luther Wohlsen, Breneman Building, Lancaster, Pa. Heating and plumbing to Klopp & Hunsecker, Leacock, Pa.

Store and Apartment, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Robert Grim, 702 North Eighth street, Allentown, Pa. Brick, 2 stories and basement, 50x60 feet, slag roof, hardwood and composition floors, hot water heat, tile work. Contract awarded to Edward Heydt, Allentown, Pa.

Library (alts.), West Town, Pa. Architects, Price & Walton, 119 South Fourth street, Philadelphia. Owners, West Town Boarding School, West Town, Pa. Carpentry and mill work, new bookcases. Contract awarded Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Warehouse, Lansdale, Pa. Architect, private plans. Owners, Bridgman Co., 130 South Thirtieth street, Philadelphia. Brick, steel, 1 story, 50x200 feet, slag roof, cement floors, electric light, rolled steel sash. Contract awarded Franklin M. Harris, 1520 Parrish street, Philadelphia.

Residence, Norristown, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, James C. Murch, Norristown, Pa. Stone, 2½ stories and basement, 66x28 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded W. D. Lukens, North Wales, Pa.

Bank, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Bethlehem Trust Co., Broad and Main streets, Bethlehem, Pa. Brick, steel, stone, 1 story, 16x94 feet, electric light, con-

crete roof, steel skylights, bronze work, ornamental iron work. Contract awarded to F. B. Glassmire, Bethlehem Trust Building, Bethlehem, Pa.

Pennsylvania State Highway Work. Clinton County, R-105-5, near Hyner, in Chapman Township. Rebuilding bridge. Contract awarded Concrete Steel Bridge Co., Clarksburg, W. Va., \$299,531.95.

Lycoming County, R-20, two bridges, Lycoming Creek, Old Lycoming and Loyalsock Townships. Contract awarded to A. W. Hinaman Const. Co., Williamsport, Pa., \$43,268.44.

Lycoming County, R-19, bridge over Mundy Creek, Shrewsbury and Penn Townships. Contract awarded to Alexander C. Bailey, Philipsburg, Pa., \$31,485.90.

Lancaster County, R-215, East Lampeter Township. One course reinforced concrete. Contract awarded Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$219,000.

Bucks County, A-4282, Springfield Township. Bituminous surface treated macadam. Contract to J. M. Hutchinson, Altoona, Pa., \$81,686.80.

Jefferson County, R-60, Winslow Township. One course reinforced concrete. Contract awarded Avery & Bailey, Philipsburg, Pa., \$135,510.86.

High School, Tamaqua, Pa. Architect, D. H. Grootenboer, Schuylkill Trust Bldg., Pottsville, Pa. Owners, Tamaqua School District, A. B. Seal, Pres., 606 E. Broad St., Tamaqua, Pa. Brick, 2 stories. Contract awarded to Schilbe Lumber Co., Tamaqua, Pa., \$97,000. Heating and ventilating to Seligman & Co., Tamaqua, Pa., \$18,101. Plumbing to A. L. Hadesty, \$8,700.

New Jersey Construction News

Bank, Riverton, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cinnaminson Bank, W. L. Williams, president, Riverton, N. J. Brick, stone, cut stone, steel, reinforced concrete, 1 story, mezzanine and basement, 67x40 feet, slag roof, cement and pine floors, vapor heat, electric light, metal lath, tile and marble work, hollow metal doors, bond, easement windows, ornamental iron work, brass pipe, wrought iron pipe, bronze work, area gratings, cinder concrete block, plumbing, linoleum rubber tile floors, steel pipe, cast stone, waterproofing, roof ventilators. Architects taking bids due July 21st.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT

PROMENADE TILE
HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Radiator Cabinet Company
SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building
Philadelphia

Lombard 4900

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

TRIDENT
WATER METERS
 For New and Old Properties
 PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

For Prices on
CAULKING
 or Material for Caulking
 Phone S. LIBMAN, Woodland 6859
 831 South 49th Street, Philadelphia

EXPERT BLASTING
J. H. HARDING
 10 N. 2d St. Camden, N. J.
 Bell Telephone : Camden 5994 W

Tabular and Continuous Taper
 Copper Bearing Steel
FLAG POLES
JOHN E. LINGO & SON
 CAMDEN, N. J.

TILE
MARBLE
MOSAIC
CERAMICS
Camden Tile Co.
 1484 Bradley Avenue
 CAMDEN, N. J.
 BELL PHONE
 CAMDEN 5686 R

PLASTERING
Plain and Ornamental
KEEN BROS.
 410 Wayne Avenue
 MERCHANTVILLE, N. J.

School No. 5, Bates Mill, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Winslow Township School Board, Alfred Crowley, R. F. D. No. 3, Hamonton, N. J. Frame, steel, 1 story and basement, 40x80 feet, shingle roof, pine and concrete floors, safety treads, roof ventilators, waterproofing, floor hardener, bond, metal lath (heating and plumbing, electric separate). Owners taking bids due July 18th.

Office Building and Stores (4), Broadway and Lawrence street, Camden, N. J. Architect, A. H. Moses, Temple Building, Camden, N. J. Owner, name withheld. Brick, 3 stories, 18x70 feet, slag roof, pine floors, steam heat. Architect ready for bids.

Lighting System, Haddon Heights, N. J. Owners, Borough Council, F. W. DuBree, Haddon Heights, N. J. Owners taking bids due July 19th, 8 P. M., for complete ornamental street lighting, Station avenue, Haddon Heights, N. J. (1) Installation and maintenance of system together with furnishing electric power; (2) furnish and install ornamental standards and cable ready for hook-up with local power; (3) separate bids for furnishing of post cable, etc., f. o. b. cars, Haddon Heights, N. J.; (4) separate bids for necessary labor and installation of materials as in No. 3. Deposit, \$5, refunded. Certified check, 10 per cent.

School Building, Cinnaminson, N. J. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Westfield Preparative Meeting, Cinnaminson, N. J. Brick, 1 story, 30x45 feet, tin roof, maple floors. Owners taking bids due July 14th.

High School, Pleasantville, N. J., \$500,000. Owners, Board of Education, Pleasantville, N. J. Work contemplated.

Residences and Garages (3), 2800-02-04 Congress Road, Camden, N. J., \$10,000. Architect, private plans. Owners, Fairview Building Co., 2760 N. Congress Road, Camden, N. J. Block and stucco, 2 stories, 16x40 and 18x40 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (5), 2342-50 Boyd St., Camden, N. J., \$6,500 each. Architect, private plans. Owner, Edward J. Turman, Bryn Mawr, Pa. Brick, 2 stories, 15 feet 8½ inches x 45 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

School, Beverley, N. J., \$32,000. Owners, School Board of Beverley, N. J. 4-room annex. Plans in progress.

School, Mays Landing, N. J., \$210,000. Owner, Board of Education, Mays Landing, N. J. Work contemplated.

State Office Building, (First Unit), Trenton, N. J. Architect, J. O. Hunt, Hunt Bldg., Trenton, N. J. Owners, State of New Jersey, State House, Trenton, N. J. Cast stone, steel, gypsum, fireproof, 4 stories, 286x60 feet, built-up promenade tile roof, concrete, tile rubber and linoleum floors. Low bidders: Karno-Smith Const. Co., Broad St. Bank Bldg., Trenton, \$727,861. Electric: Hoffman & Elias, 59 W. 51st St., New York, \$24,800. Heating: Trenton Plumbing & Heating Co., 366 S. Broad St., Trenton, N. J., \$27,448. Plumbing: Trenton Plumbing & Heating Co., 336 S. Broad St., Trenton, N. J., \$23,984.

Residences (14), Garages (15), 1248-86 Bayard St., Camden, N. J., \$45,000. Architect, private plans. Owners, Brunner Const. Co.,

4th and Jefferson streets, Camden, N. J. Block and stucco, 2 stories, 14x48, asphalt roof, hot water heat, electric light. Permit issued.

New Jersey Contracts Awarded

Residence and Offices (add.), 109 N. 5th St., Camden, N. J., \$19,000. Architect, Arnold H. Moses, Temple Bldg., Camden, N. J. Owner, Dr. John S. Owens, on premises. Block and brick, 3 stories, 19 feet 3 inches x 61 feet, slag roof, electric light. Contract awarded to H. C. Paschall, Merchantville, N. J.

Battery B Armory Building, Lawrenceville, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, 1 story, 200x100 feet, 2 wings 156x28 feet, 2 stories and basement, 92x25 feet, wing 26x27 feet. Contract awarded to General Cont. & Const. Co., First National Bank Building, Trenton, N. J., \$86,250. Plumbing awarded to W. G. Royer, Trenton, N. J., \$3,025. Heating to Trenton Plumbing & Heating Co., Trenton, N. J., \$2,674. Electric to P. G. Peifer, Trenton, N. J., \$5,976.

Maternity Cottage for White and Maternity Cottage for Colored, New Jersey State Home for Girls, Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Reinforced concrete, brick, cut stone, steel, limestone, building for white, 2 stories and basement, 112x31 feet, building for colored, 2 stories and basement, 43x27 feet, Chapman roof, linoleum, pine and cement floors. Contract awarded to E. D. LaRue, 53 South Hermitage avenue, Trenton, N. J.

Drafting Room, South Sixth street, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, S. M. Langstone Co., Sixth and Jefferson streets, Camden, N. J. Brick, 2 stories, 30x24 feet, slag roof, pine floors, heating extension, electric light, steel sash. Contract awarded to Fearn & Vogtlin, 4402 Westfield avenue, Camden, N. J.

Service Station, Northwest Corner Sixth and Walnut streets, Camden, N. J., \$5,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, Supreme Oil Co., 535 Federal street, Camden, N. J. Block, stucco, 1 story, 16x18 feet and 20x20 feet, slag roof. Contract awarded to Luigi Leggi, Riverside, N. J.

Residence, 1307 Everett street, Camden, N. J., \$5,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owner, Thomas Paucinski, 1505 Norris street, Camden, N. J. Brick, 2 stories, 16 feet 8 inches x 50 feet, slag roof, hot water heat, electric work. Contract awarded to Anton Kincler, 1527 Norris street, Camden, N. J.

Residence, 1053 North Thirty-third street, Camden, N. J., \$4,800. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Adam Reed, care of builder. Frame, 1½ stories, 24x38 feet, slate surface roof, hot water heat, electric light. Contract awarded to Maurice Rubright, 993 North Twenty-third street, Camden, N. J.

**GENERAL
 INSURANCE**

SMITH-AUSTERMUHL CO.
 5th and Market Streets, Camden, N. J.
 BELL PHONE, CAMDEN 3210

**SURETY
 BONDS**

KEYSTONE, CAMDEN 3147

Miscellaneous Construction News

Hospital, Wilmington, Del. Architects, York & Sawyer, 100 East Forty-second street, New York City. Owners, Physicians' and Surgeons' Hospital Association, care of architects. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 202x42 feet, wing 74x60 feet, variegated slate roof, cement and linoleum floors, elevators, roof ventilators, membrane waterproofing, metal partitions, refrigerations, plumbing, area gratings, brass and iron pipe, ornamental iron work, iron stairs, floor hardener, bond, tin clad and hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, electric light, steam heat. Architects taking bids due July 19th.

School, Marshalltown, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, Ferris Industrial School, Brindley road, Wilmington, Del. Brick, 3 stories, 30x60 feet, slate roof (heating, plumbing and electric separate). Architects taking bids due July 19th.

Residence and Garage, Seardsdale, N. Y. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Mr. G. Burlingame, care of architects. Frame, 2 stories, 36x26 feet, shingle roof, hardwood and concrete floors, hot water heat, electric light, tile work. Architects taking bids due July 16th.

Hazard Davis Hall-Dormitory, Wellesley, Mass. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Wellesley College, Wellesley, Mass. Stone, brick, steel, 3 stories. Architect taking bids due July 27th.

Theatre, Salisbury, Md. Architect, Edward C. May, DuPont Building, Wilmington, Del. Owner, James A. Bailey, Salisbury, Md. Architect taking bids due July 15th, 3 P. M.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Low bidders on road work received July 6th.

Contract 83, Hartly-Kenton, 4.44 miles. George & Lynch, Dover, Del., metal \$126,147, non-metal \$124,488.

Contract 84, grading. Kitt's Hammock road, 3.2 miles. A. Lee Orrell, Odessa, Del., \$9,570.

Contract 85, surfacing over Fishing Creek (Thompsonville road), 300 feet. George & Lynch, Dover, Del., \$1,550.

Contract 86, Bethany Beach Government road, 0.71 mile. Highway Eng. & Const. Co., Selbyville, Del., \$19,997.50 (slag).

Miscellaneous Contracts Awarded

Parochial School, Twenty-eighth and Monroe streets, Wilmington, Del. Architects, Geeson & Mulrooney, 250 South Broad St., Philadelphia. Owners, Christ Our King Roman Catholic Church, Rev. J. J. Lynch, Wilmington, Del. Stone, concrete, glazed brick, limestone, granite, slag roof, 2 stories and basement, 62x135 feet (plumbing, heating, lighting separate), metal lath, tile work, marble, cement and terrazzo floors, hollow tile, roof ventilators, metal toilet partitions, auditorium and basement stage dressing rooms, bluestone treads, iron stairs, concrete work, fire and kalamein doors, metal lath, tile work. Contract awarded Joyce & Kerrigan, Pennsylvania and Franklin streets, Wilmington, Del.

Manufacturing Building, Harrington, Del. Owners, Sol. Edman & Son, Harrington, Del. Reinforced concrete, brick, steel, 1 story and basement, 170x80 feet, asphalt roof, cement and maple floors, plumbing, rolled steel sash,

fire doors, bond, wrought iron pipe. Contract awarded Atlantic Thermotate Co., Harrington, Del.

G. Thomas Holloway, Builder, formerly of 27 South Sixth Street, Philadelphia, has opened new offices at 523 Ludlow Street, Philadelphia.

John W. Keyes, Architect, announces the opening of his office in the Otis Building, 112 South Sixteenth Street, Philadelphia.

AS THE EDITOR SEES IT (Continued from page 437)

The records for first six months of the last ten years:

1916	....	873	1709	\$ 5,147,115
1917	....	618	763	2,328,755
1918	....	564	694	1,671,900
1919	....	1073	1951	7,354,625
1920	....	1171	1213	6,743,015
1921	....	1280	1406	4,587,395
1922	....	1492	2461	13,190,220
1923	....	1334	1742	8,370,875
1924	....	1577	2040	11,108,880
1925	....	1310	2304	11,156,450
1926	....	1176	1198	16,642,745

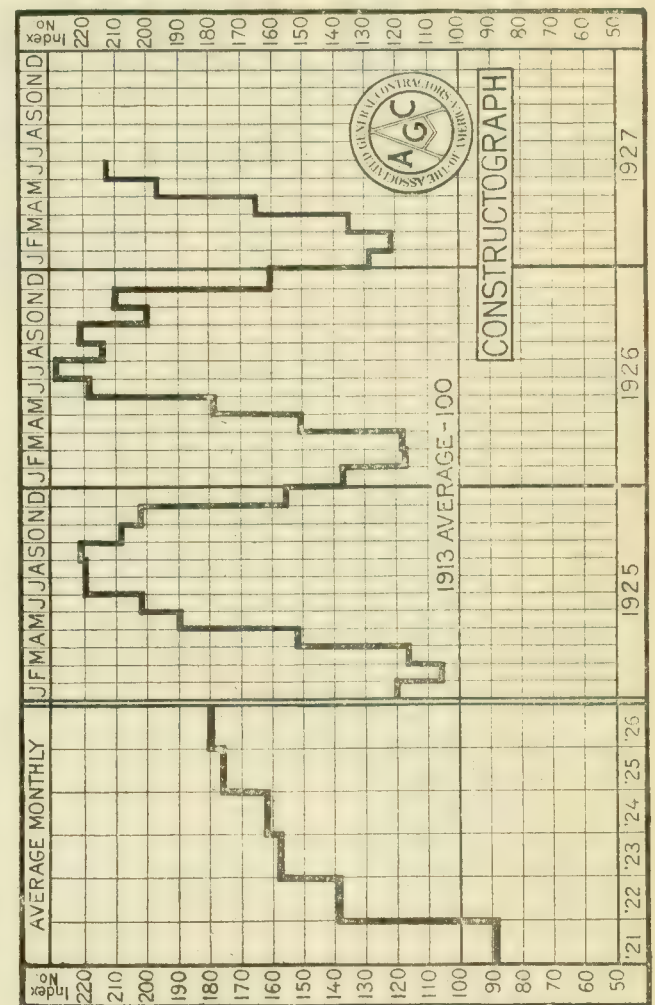
In two story dwellings the Forty-second Ward shows the greatest number started, 1477, an increase over first half of 1926 of 263. The Thirty-fifth Ward was second in the number of two-story dwellings with 1185, an increase of only four over same period 1926. The Thirty-fourth, Thirty-ninth, Fortieth, Forty-first, Forty-fifth Wards show decline in number of two-story houses started. Increases are noted in Wards 21, 22, 23, 24, 33, 38, 39, 40, 46 and 48.

The greatest volume of construction ever undertaken during the first six months of any year on record has been registered since the opening days of 1927, according to statistics compiled by the Associated General Contractors of America. Continuance of operations on a vigorous scale last month placed the total for the six-month period of this year four per cent above the figure established during the corresponding period of 1926 which held the previous record.

The June volume shows an eight per cent. increase over operations carried on during May. If even a moderate increase is made during July, the supremacy of 1927 as the greatest building year on record will be extended for another month.

Strong indications that the present record-breaking pace will be maintained are found in the enormous amount of contracts for future construction work that recently have been awarded. The volume of awards made in May was greater than any recorded for that month in any previous year. The total of awards for the first five months of 1927 exceeds

VOLUME OF CONSTRUCTION



by five per cent. the figure recorded for the corresponding period in 1926.

A scale which places the 1913 average at 100 as its basis shows the June volume of construction to have reached the 212 level. Index figures for the first five months of this year are: 129; 121; 135; 166; 197. Corresponding figures for the same months of 1926 are: 137; 117; 119; 151; 179.

The index figure for volume of contracts awarded during May is 233. The May, 1926, mark was 227.

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets
Write or telephone Locust 31-49 for Catalog of all courses

That plan of the king in olden times who killed the messenger who brought him bad news has my approval. Blessed are those who bring glad tidings! If you cannot write a good letter—don't!—Elbert Hubbard.

PHILADELPHIA AS A BUILDING CENTER

Official Figures Showing in Detail the Constructive Activity of the First Six Months of 1927

New Buildings Erected from January 1 to June 30, 1927

	Jan.	Feb.	Mar.	Apr.	May	June	Operations	Estimated Cost
Places of Amusement			1	1		1	3	\$652,600
Banks		1			2	1	4	352,000
Churches	1	1	2		3	2	9	645,500
Clubs			1		3		4	456,000
Convents						1	1	400,000
Dwellings, one-story			4	2	2	1	9	35,700
“ two-story	130	729	1273	1161	710	885	4888	21,596,175
“ three-story	6	12	15	13	21	15	82	1,347,175
“ frame	3	1	18	30	8	7	67	437,365
Engine and Boiler Houses				3	1	2	6	56,200
Garages	60	71	201	193	168	145	838	2,632,510
Hospitals	2	1			3	1	7	2,358,000
Manufactories	1	6	6	13	6	6	38	2,386,575
Miscellaneous buildings		4	18	8	2	6	38	296,180
Municipal Buildings		2				2	4	108,445
Office Buildings	2	2	5	2	4	5	20	3,407,875
Power Houses	2			7	2		11	547,000
Recreation Building		1					1	2,500
Rooming Houses			1				1	56,370
Schools	1		1	1	2	3	8	3,715,450
Stables	1		1	1		1	4	57,000
Stores	4	3	13	14	13	16	63	2,246,880
Tenement Houses	10	3	6	16	9	22	66	8,138,500
Warehouses	8	10	10	7	5	9	49	1,886,215
Workshops	1	8	8	7	5	5	34	251,800
Total New Buildings	232	855	1584	1479	969	1136	6255	54,070,015
Additions	103	179	267	215	228	257	1,249	4,548,735
Alterations and Repairs	239	301	393	310	396	364	2,003	2,574,385
Grand Total	574	1335	2244	2004	1593	1757	9507	61,193,135
Fire Escapes							20	12,340
Heaters							12	16,175
Signs							134	57,490
Miscellaneous Work							881	232,350
Total Work of All Kinds							10554	\$61,511,490

TWO-STORY DWELLINGS

Wards	4	7	16	21	22	23	24	25	30	33	34	35	36	37	38	39	40	41	42	44	45	46	48	Total
January				1	2					60		19			11				33		4			130
February					3	48				169	33	80			93		2	71	157		1		72	729
March	5	1			54	121	7	2		1	31	445			33		73	136	343		21			1273
April				2	64	106			1	86	4	275	3	1	28		80	79	432					1161
May			1	101	86	28		1			22	121			5	49	28	11	244		12	1		710
June		1			30	21				81	1	245			45	20	90	28	268	34	8	13		885
Totals	5	2	1	104	239	324	7	3	1	397	91	1185	3	1	215	69	273	325	1477	34	46	14	72	4888

THREE-STORY DWELLINGS

Wards	2	3	4	5	13	20	21	22	23	33	34	35	38	41	42	44	Totals
January								5							1		6
February						1	1	9	1								12
March						1		4	1						3		15
April							1	8	1		1				1		13
May		1					4	5		1	2	2	1		4		21
June		2	2	1				4	1				3			2	15
Totals	1	3	2	1	1	2	6	35	4	1	5	3	6	3	7	2	82

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

IMMEDIATE DELIVERIES

Step Ladders
Bricklayers' Ladders
Painters' Ladders
Rolling Ladders
Painters' Swing Staging

LADDERS

Extension Ladders
Sectional Ladders
Swinging Stages
Jacks and Hods

T. C. KREWSON, Manufacturer

BELL PHONE, REGENT 9130

801 and 803 Master Street, Philadelphia

A. HUSKEY

PORTABLE

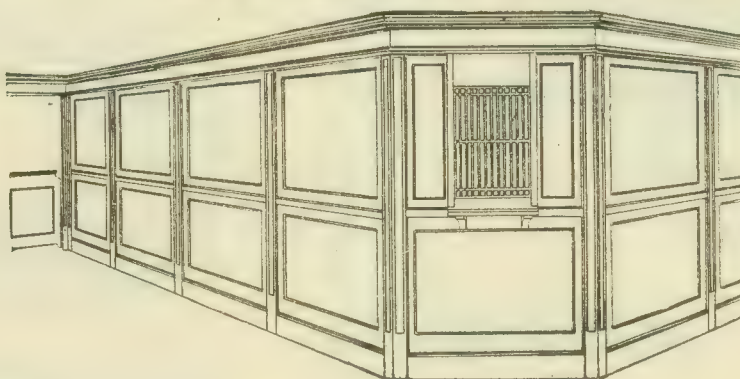
MEYER COSSOY

OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE
FIXTURESFOR ALL KINDS
OF

STORES

CABINET
WORKOF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

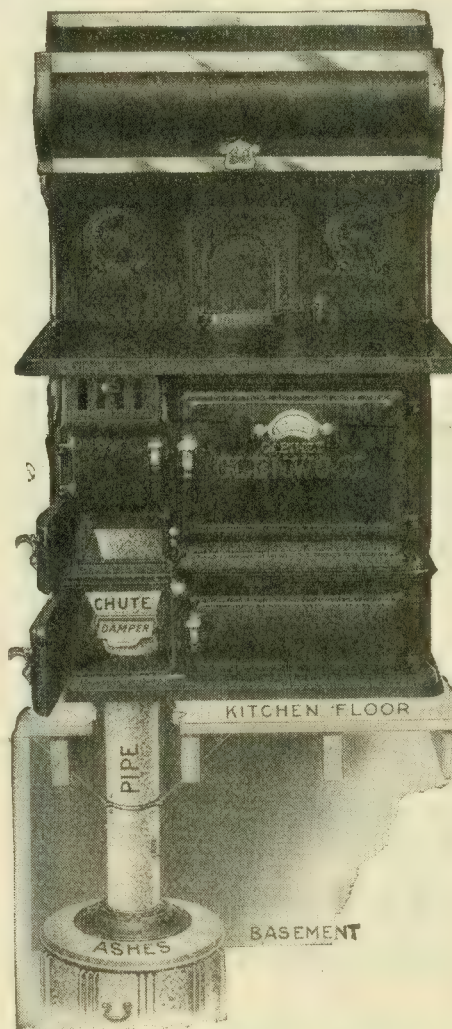
PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

No More Ashes To Lug



No clumsy pan to spill dust
and dirt on the kitchen floor

The Glenwood
Ash Chute

solves the problem. It is located just
beneath the grate and connected by a
sheet iron pipe straight down through
the kitchen floor to ash barrel in cel-
lar. No part is in sight. Not a par-
ticle of dust can escape. Just slide
the damper once each day and drop
the ashes directly into the ash barrel.

The Dust-Tight Cover

to barrel is another entirely new
Glenwood Idea and is very ingenious.
This is only one of the splendid im-
provements of the new plan

Cabinet Glenwood

the Range without ornamentation or fancy
nickel, "The Mission Style" Glenwood. Every
essential refined and improved upon. This
Range can be had with the latest and most
improved Elevated or End Gas Range attach-
ments. It can be furnished with fire box at
either right or left of oven as ordered. Our
handsome booklet tells all about it.

The Cabinet Glenwood

Henry M. Miller, 46-48-50 North Second St., Philadelphia, Sales Agent

HENRY M. GRATZ
President

NEAL BASSETT
Vice-President

JOHN KAY, Vice-President and Treasurer

DAVIS G. VAUGHAN, Secretary

ALBERT H. HASSINGER, CHAS. J. FITZGERALD, Asst. Secretaries

ALBERT H. HASSINGER
Assistant Treasurer

MORRISON C. COLYER
Counsel

THE GIRARD Fire and Marine Insurance Company

502 WALNUT STREET

PHILADELPHIA

Assets over - - - \$5,000,000

DIRECTORS

Henry M. Gratz
John C. Lowry
William R. Nicholson
Franklin M. Potts
Edward J. Thomason
C. S. W. Packard

Neal Bassett
John Kay
Morrison C. Colyer
J. Harker Chadwick
Percy Jackson
Samuel W. Baldwin

Archibald S. Reid
James G. Glenn
Frederick H. Douglas
Walter C. Heath
Charles G. Colyer

FOUR PHILADELPHIA INSURERS

The Reliance

Insurance Company

Founded 1841
Capital \$1,000,000

Sound Insurance
for over a
Century.

of Philadelphia
Capital \$3,000,000

Founded 1817
Fire Association

Home Office:
4th and Walnut Street,
Philadelphia, Pa.

Victory

Insurance Company

Founded 1919
Capital \$1,000,000

Constitution Indemnity Co.
Founded 1926 Capital \$1,000,000

Fidelity & Surety Bonds

FIRE, AUTOMOBILE AND CASUALTY INSURANCE

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET
PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.
BLUE PRINTS AND BLUE PRINT PAPER
Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CAULKING

Libman, S. 831 S. 49th St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Lee T. Ward Co. 617 Filbert St., Phila.
Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Phila. Building Material Co. 1209 N. Taney St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

Lee T. Ward Co. 617 Filbert St., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumsford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

TWO MEN AND A HOTEL FIRE

Two men lost their personal effects in a hotel fire. One said: "It's a beastly inconvenience." The other said: "It will set me back five hundred bucks."

It meant inconvenience to the first one, but not financial loss. His personal effects were covered by North America Tourist Baggage Insurance. Are yours?

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



A 355,000 Gallon Reservoir in This Building Is Waterproofed with "ANTI-HYDRO" Plaster Coat

What could be more convincing of the water-proofing qualities of "ANTI-HYDRO" than the fact that a plaster coat gauged with "ANTI-HYDRO" and water permanently water-proofed the huge concrete reservoir in this building? A smaller concrete reserve tank under this same building is also waterproofed with "ANTI-HYDRO."

"ANTI-HYDRO" is easy and economical to use. It both hardens and waterproofs concrete in *one operation*. Being a liquid integral agent, it mixes readily with the gauging water without the aid of skilled labor, and insures uniformly hard and waterproof concrete, through and through. Satisfaction *guaranteed*.

Twenty-three years of continuous use have established the permanency of "ANTI-HYDRO" results. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY 265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 29
July 20, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

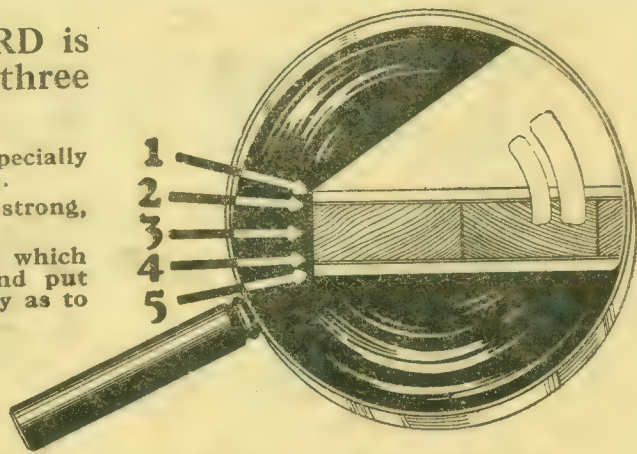
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand
and
Supply Corp.

Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982



ALEMITE GREASING - ON - BOSS MIXERS

\$172.00 BUYS 3S TRAILER COMPLETE WITH ENGINE

ONE BAG TILTER NOW AT HALF BAG PRICE

BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION
20th and Venango Streets, Philadelphia, Pa.
BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES

MIXERS	HOISTS
55 - 75	SINGLE AND DOUBLE DRUM REVERSING \$135 UP
105 - 145	FORDSON WINCHES
215 - 285	
GAS STEAM ELECTRIC ALLEY STREET PAVES	



LOW PRESSURE
Electric Refrigeration

by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many types of sash can be filled from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

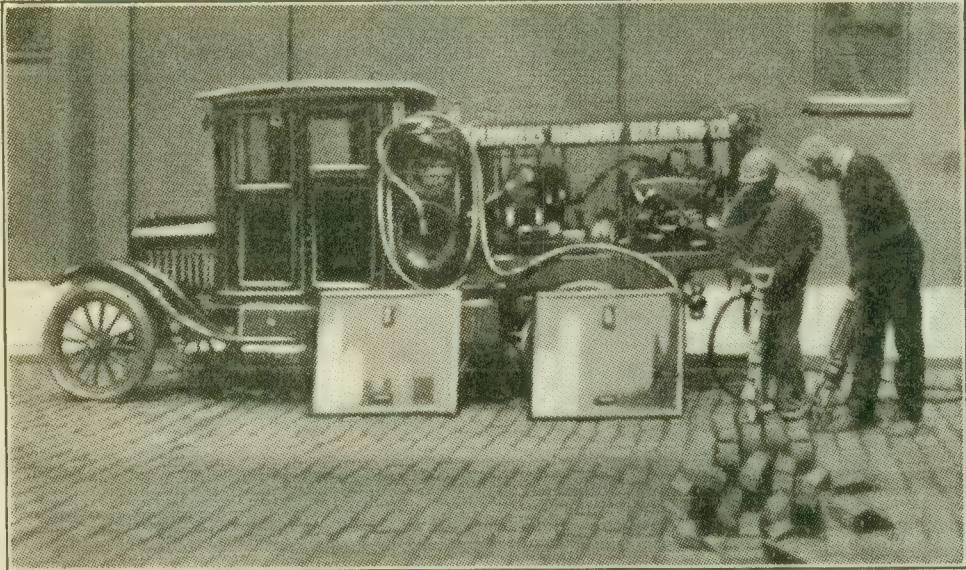
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

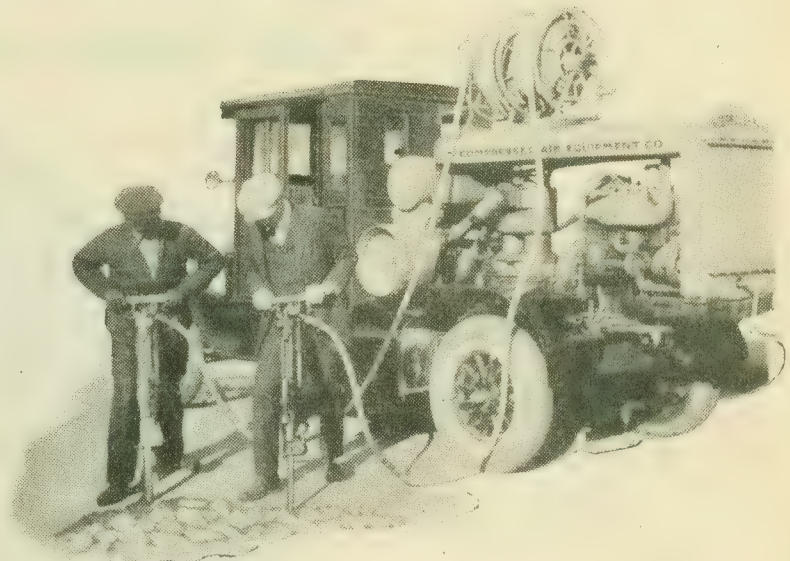
Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

BankVaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448

BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

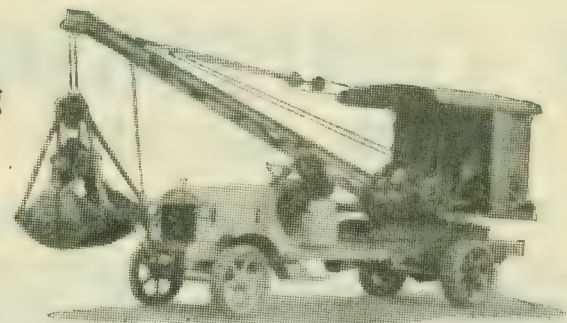
Race 6010

Excavating

Steel
Erecting

Trench
Work

Car
Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

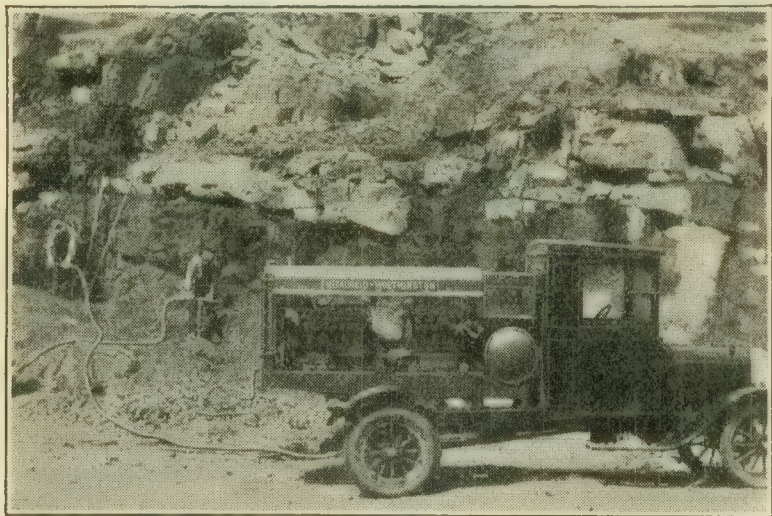
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 29

July 20, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, Fifth and Pine streets, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owner, care of architect. Steel, stone, brick, 4 stories and basement, 34x78 feet, slag roof, maple and hardwood floors, elevators, metal ceilings, cast stone, ornamental iron work, iron stairs, bond, fire and kalamein doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, electric light, vapor heat, oil burners. Plans in progress.

Fire House, Second and Norris streets, Philadelphia. Architect (acting for city), Joseph A. Rolleter, 1315 Walnut street. Owners, Department of Public Safety, Bureau of Fire, City Hall. Brick, steel, 2 stories. Ready for bids in three weeks. Plans in progress.

Building, 2016-18 Chestnut street, Philadelphia. Owners, Belber Realty Co., care of Lionel Friedman, 251 South Fifteenth street, Philadelphia. Brick, steel, stone, 6 stories, 40x120 feet. Work contemplated.

Garage, 27-31 South Fourth street, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, A. Winegrad, on premises. Reinforced concrete, steel, 2 stories and basement, 40x180 feet, cast stone and brick facing, reinforced concrete roof and ramp, electric light. Plans completed. Architect ready for bids in one week.

Maternity Building, Corinthian and Girard avenues, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Lankenau Hos-

pital, on premises. Brick, stone, steel. Plans completed. Architects ready for bids.

Shop and Storage Building, 2515-17 West Huntingdon street, Philadelphia. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owner, Paul Brosz, 2511 West Huntingdon street, Philadelphia. Brick, steel, wood joist, 2 stories, 26x90 feet, slag roof, cement and wood floors, freight elevator, electric light, steel sash. Owner will build.

Schools (2), Third and Mifflin, Frankford and Clementine street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Phila. Plans ready for bidders July 25th.

Animal House in Medical Loft Building, Thirty-fourth and Spruce streets, Philadelphia. Owners, University of Pennsylvania, Department of Buildings and Grounds, on premises. Bond, reinforced concrete, metal sash, tile partitions, iron and steel work, celotex, electric light, plumbing, steam heating, extension to elevator, plastering. Owners taking bids due July 21st.

Apartment House, Camac and Rockland streets, Philadelphia. Architect, Albert Dobbins, 1718 Cherry street, Philadelphia. Owner, Frank Hutt, care of architect. Brick, steel, 3 stories and basement, 34x75 feet, slag roof, oak, pine and cement floors, metal lath, tile work, bond, ornamental iron work. Architect taking bids due July 22nd.

Apartment House (72 apartments), 6 Stores,

Cheltenham avenue and Fifty-fourth street. Architects, Reefus & North, 1709 Sansom street, Philadelphia. Owner, Frank J. Branagan, 2411 North Broad street, Philadelphia. Brick, cut stone, steel, 6 stories and basement, 50x175 feet, slag roof, oak, pine floors, elevators, ornamental iron work, bond, tile work, metal lath, electric light, hot water heat. Owner taking sub-bids and general bids due July 25th.

Church (alts. and add.), Broad and Butler streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Stephen's Church, Rev. Monsignor Joseph A. McCullough, on premises. Stone, limestone, granite, steel (heating, electric reserved), slate roof, cement and pine floors, plumbing, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, tin-clad and kalamein doors, marble and terrazzo work, metal lath. Architects taking bids due July 23rd.

Public Comfort Station, Ridge and Hermitage street, Roxborough. Acting City Architect, Joseph A. Rolleter, 1315 Walnut street, Philadelphia. Owners, Bureau of City Property, Room 216, City Hall. Brick, concrete, 46x17 feet (plumbing, heating, electric separate), tin roof, cement floors, metal window guards, bluestone, area gratings, ornamental iron work, cinder concrete blocks, floor hardener, bond, marble work, metal lath, metal toilet partitions. Owners taking bids due July 28th.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

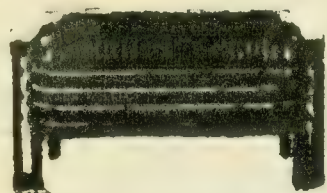
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

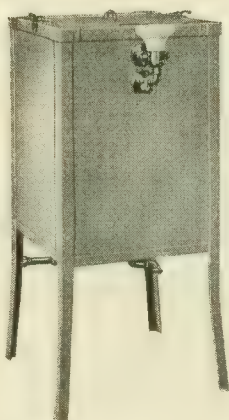


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

Fleck Bros. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Temple, Fitzwater, near Mole and Hicks streets, Philadelphia. Architect, Horace W. Castor, Stephen Girard Building, Philadelphia. Owners, Scottish Rite Temple (United Supreme Council), Broad and Race streets, Philadelphia. Brick, cut stone, steel, granite, limestone, 3 stories and basement, 107x42 feet, copper tile roof, maple and cement floors, hollow tile, plumbing, roof ventilators, architectural terra cotta, bluestone, wrought iron pipe, ornamental iron work, iron stairs, floor hardener, bond, rolled steel sash, tin clad and kalamein doors, tile, marble and terrazzo work, electric light, metal lath, steam heat, integral waterproofing. Architect taking bids due July 27th.

Building (add.), Broad and Thompson street, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Robert Nash Co., care of R. H. Greenburg, Morris Building, Philadelphia. Brick, granite, stone, 5 stories and basement, 160x52 feet, Barrett specification roof, cement floors, hollow tile, elevators, plumbing, cast stone, ornamental iron work, floor hardener, bond, Peele and hollow metal doors, rolled steel skylights, hollow metal sash, tile and marble work, metal lath, steam heat, electric light, metal lath, metal toilet partitions. Architect taking bids due July 28th.

Store Building, 5230-32 Chestnut street, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Mastbaum Brothers & Fleisher, 1422 South Penn Square, Philadelphia. Brick, reinforced concrete, steel, 2 stories and basement, slag roof, cement and pine floors, electric light, metal lath, tile and marble work, ornamental iron work, sprinklers. Architects taking bids due July 27th.

Gym Building, Mt. Airy, Pa. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Pennsylvania Institute for the Deaf, Mt. Airy, Pa. Reinforced concrete, steel, cut stone, brick, granite, steel, 2 stories and basement and gallery, 106x66 feet, skylights, copper roof, cement and maple floors, safety treads, flagstone, cast stone, cinder concrete block, casement windows, bond, copper skylights, marble work. Architects taking bids due July 25th at noon.

Store and Loft Building, 514-16 Bainbridge street, Philadelphia. Architect, private plans. Owners, Capitol Store Fixtures Co., on premises. Brick, 2½ stories, 28x88 feet, slag roof, pine floors, electric light, marble work, metal ceilings, metal bulks, plate glass. Owners taking bids.

Building, Thirty-third and Dickinson streets, Philadelphia. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Philadelphia Magnesia Co., on premises.

ises. Brick, cut stone, reinforced concrete, limestone, steel, 2 stories and basement, 106x78 feet, cement and composition floors, metal lath, tile, marble work, rolled steel sash and skylights, ornamental iron work, rolled steel doors, roof ventilators. Architect taking bids due July 22nd.

Paving, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidder: Broad street, Filbert to Callowhill street; Broad street, Noble to Stiles streets, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$172,155.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall, taking bids due July 25th, 11 A. M. (Standard Time), for asphalt and sand.

Residences (50), North side Haddington street, East of Fifty-eighth street, \$191,600. Architect, private plans. Owner, Martin Firman, 1520 North Alden street, Philadelphia. Brick, 2 stories, 15x28 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Contract No. 168, Broad street paving, Wagner avenue to Clarkson avenue. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due July 21st, 11 A. M. (Standard Time). Certified check, 5 per cent. of bid. Deposit, \$10, refunded.

Contracts Nos. 171-172, Plumbing and Heating, Administration Building, Broad and Grange streets, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Deposit, \$10, refunded. Certified check, 5 per cent. Owners taking bids due July 22nd.

Administration Building, Southeast Corner Broad and Grange streets, Philadelphia. Owners, Department of Public Works, Bureau of City Transit, 1211 Chestnut street, Philadelphia. Brick, steel, limestone, granite, 2 stories and basement, 112x128 feet. Low bidders: Nelson Pedley Const. Co., Corn Exchange Building, \$159,000, add \$300; Robbins Contg. Co., 1137 North Front street, \$178,000, add \$1400.

Torresdale Filter Plant (alts.), Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Bond, waterproofing, brick work, structural steel concrete. Low bidders: Pennsylvania Engr. & Const. Co., Real Estate Trust Building, \$13,422; Keystone State Const. Co., Franklin Building, \$15,840.

Residences (15), West side Henry street, South of Roxborough avenue, \$63,000. Architect, private plans. Owner, Harry Slass, 5324

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

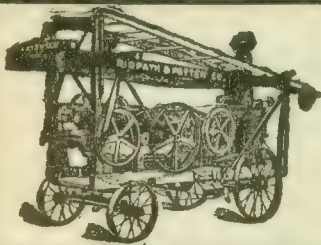
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

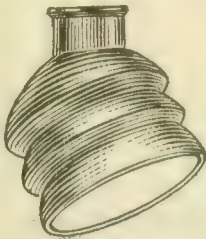


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Berks street, Philadelphia. Brick, 2 stories, 16x29 feet, 12x35 feet, and (1) 3 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (110), Eighteenth street, Bouvier and Wagner avenue, Philadelphia, \$390,000. Architect, private plans. Owners, Brangan & Sgolf, Fern Rock Trust Building, Philadelphia. Brick, 2 stories, 15x25 feet, 10x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (66), North side Brill street, East of Summerdale street, Philadelphia. Architect, private plans. Owner, Anthony Olivieri, 1531 Orthodox street, Philadelphia. Brick, 2 stories, 15 feet 3 inches x 25 feet 7 inches, 12x7 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (52), East side Howland street, South of Lycoming avenue, Philadelphia, \$197,600. Architect, private plans. Owner, Joseph Silver, 5116 North Camac street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, rear 153 Sumac street, Philadelphia, \$19,500. Architect, private plans. Owner, Sidney Nasife, on premises. Brick, 2 stories,

96x45 feet, slag roof, cement floors, electric work. Permit issued.

Store (alts.), 839 South street, Philadelphia. Architect, private plans. Owner, Joseph Harris, on premises. Cement paving, cellar door, metal bulks, wood paneling, plate and leader glass, copper cornice. Owner will be ready for bids in one week.

Store Building, Germantown and Cheltenham avenues, Phila. Architects, Silverman & Levy, Elrae Bldg., Phila. Owner, Edward A. Schmidt, on premises. Brick, steel, limestone, 2 stories and basement, 80x96 feet, slag roof, pine, oak and cement floors, plumbing, steam heat, electric light. Architects taking bids due July 29th.

Stores (2), Apartments (9), N. E. Cor. 63d and Haverford Streets. Architect, R. M. Dippy, Medical Arts Bldg., Phila. Owner, C. C. H. Kirlin, on premises. Brick, 3 stories. Architect taking bids due July 25th.

Residences (7), N. side Wakeling street, W. of Charles street, \$18,600. Architect, private plans. Owners, Barfoot & Holcomb, 5355 Oxford avenue, Phila. Brick, 2 stories, hot water heat, electric light, slag roof, pine floors. Permit issued.

Garage, 1612-14 Chancellor street, Phila. Architect and owner, D. B. Bassett, 1520 Locust street, Phila. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Restaurant (alts.), 116 South Thirteenth street, Philadelphia. Architect, Eugene A. Stopper, 10 South Eighteenth street, Philadelphia. Owners, Boothby's, on premises. Brick work, cut stone, structural steel, iron work, carpentry and mill work, hardware, plastering, painting, glazing, marble, tile work, plumbing, elevators, revolving doors, concrete and cement work, hollow tile, steel sash, rolled steel skylights, slag roof, tin-lined doors, bronze work. Contract awarded J. L. Fawley, 1615 Spruce street, Philadelphia.

St. Henry's Roman Catholic Church, Rectory, Fifth and Cayuga streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owner, D. Cardinal Dougherty, Eighteenth and Summer streets, Rev. J. E. Kones. Stone, cut stone, brick, 3 stories and basement, 39x66 feet (tile, marble, plumbing, heating, electric, glazing reserved), slate and copper roof, pine, oak and cement floors,

plumbing, vapor heat, dampproofing, metal lath, tile and marble work, rolled steel sash, waterproofing, ornamental iron work. Contract awarded F. V. Schubert, Reese and Wingo-hocking streets, Philadelphia.

Store Building, 4622-24 Frankford avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Loux Furniture Co., 623 Market street, Philadelphia. Stone, limestone front, brick, 2 stories and basement, 33x130 feet, slag roof, maple floors, freight elevator, electric light, metal lath. Contract awarded S. Yellin, 222 North Eleventh street, Philadelphia.

Interior Finish, Northeast Wing, Art Museum, Parkway, Philadelphia, \$625,000. Architects, Trumbauer, Zantzinger & Borie, Land Title Building, Philadelphia. Owners, Park Commissioners, 127 City Hall. Brick, cut stone, steel, terra cotta. Contract awarded George A. Fuller Co., Morris Building, Phila-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

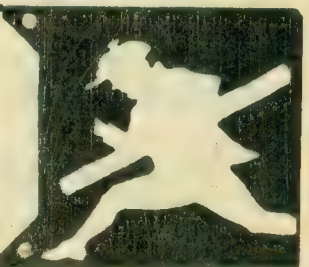
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



delphia, who is taking sub-bids due as soon as possible.

Warehouse (alts. and add.), 1311-13 Manning street, Philadelphia. Architect, private plans. Owners, J. E. Caldwell & Co., Juniper and Chestnut streets, Philadelphia. Carpentry and mill work, concrete and cement, steel and iron work, slag roof, sheet metal work, steel sash. Contract awarded Murphy-Quigley Co., 1518 Sansom street, Philadelphia.

Residence (alts. and add.), Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 128 South Eighteenth street, Philadelphia. Owner, Miss Anna Laughlin, Chestnut Hill, Pa. Cinder block, stucco, 2 stories, 11x16 feet, carpentry and mill work, plastering, painting, glazing. Contract awarded George S. Roth & Son, 230 East Graver's lane, Philadelphia.

Service Station, Thirty-second and Ridge avenue, Philadelphia. Architect, private plans. Owners, Pure Oil Co., Widener Building, Philadelphia. Brick, steel, 1 story, 11x18 feet, shingle roof, tile work, cement floors, plumbing, electric work, metal lath, bond. Contract awarded Mr. Wolfe, Thirty-second and Ridge avenue, Philadelphia.

Manufacturing Building, 417-25 North Eighth street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Brown & Bailey, 410 Franklin street, Philadelphia. Contract on demolition awarded to M. Sorrentino, 921 Catherine street, Philadelphia.

Miscellaneous School Work, Philadelphia. Contracts awarded. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Norman Public School, Thirteenth and Spring Garden streets, Philadelphia, Weiss Const. Co., 901 Walnut street, Philadelphia, \$69,267; electric, Mitchell & Co., 1337 McFerran street, \$12,500; plumbing, S. Faith & Son, 2427 Pennsylvania avenue, Philadelphia, \$17,491; air heaters, H. B. Smith, Forty-ninth and Gray's avenue, \$1,045; radiation, McClintock & Son, 1937 Ridge avenue, \$360. Taggart School, Fifth and Porter streets, E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia, \$36,600; heating, Fred Wackenhutt, 2416 Frankford avenue, \$929. Vare School (alts. and add.), Morris and Moyamensing avenue, Philadelphia, Thomas C. Trafford, 2330 North Fifteenth street, Philadelphia, \$181,000; plumbing, William Newell, 2035 Arch street, Philadelphia, \$3,852; electric, Walker-Kepler, 530 Chestnut street, Philadelphia, \$2,923; heating, Fred Wackenhutt, 2416 Frankford avenue, Philadelphia, \$20,798.

Garage, 531-33 Bainbridge street, Philadelphia. Architect, private plans. Owner, I. Matzkin, on premises. Brick, slow burning, 2 stories, 37x125 feet, slag roof, concrete floors, electric elevators, waterproofing, plate glass, wood joist, limestone, cellar doors, rolled steel sash, electric light. Contract awarded D. J. Pappano, Thirteenth and Reed streets, Philadelphia.

Residences (2), 6112-33 Lensen street, Philadelphia, \$8,000 total. Architect, private plans. Owner, Annie Hall, 451 East Walnut lane, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to John C. Hall, 451 East Walnut lane, Philadelphia.

Garage, North side Rector street, West of Mitchell street, \$2,385. Architect, private

plans. Owner, Charles Righter, 468 Roxborough avenue, Philadelphia. Brick, 1 story, 40x40 feet, slag roof, cement work, electric work. Contract awarded to W. F. Kinney, 4354 Mitchell street, Philadelphia.

Residence (alts.), 9639 Ardleigh street, Philadelphia, \$2,200. Architect, private plans. Owner, Mrs. Ann Lang, on premises. General alterations and heating. Contract awarded to H. W. Schock & Sons, 6339 Baynton street, Philadelphia.

Residence and Store (alts.), 2149 North Thirtieth street, Philadelphia, \$2,000. Architect, private plans. Owner, H. Himmelstein, 2147 North Thirtieth street, Philadelphia. General alterations. Contract awarded to J. Sosnofsky, 3129 Montgomery avenue, Philadelphia.

Residence (add. and alts.), 1924 Fitzwater street, Philadelphia, \$2,000. Architect, private plans. Owner, S. Feintralbray, 1924 Fitzwater street, Philadelphia. Brick, 2 stories add., 16x9 feet 6 inches. Contract awarded to L. Shestack, 1407 North street, Philadelphia.

Residence, West side Arenia street, South of Bean street, Philadelphia, \$8,500. Architect, private plans. Owner, H. J. Cunningham, 365 Green lane, Philadelphia. Brick, 2 stories, 30x27 feet, 11x22 feet, hot water heat, electric work. Contract awarded to A. Charles Strong, 515 North Fifty-fifth street, Philadelphia.

Residence (alts.), Northwest Corner Cliveden street and Wissahickon avenue, \$5,000. Architect, private plans. Owner, Samuel Grabosky, on premises. General alterations. Contract awarded to George Tomlinson & Son, 1713 Sansom street, Philadelphia.

Building (add. and alts.), 765 South Fourth street, Philadelphia, \$4,900. Owner, S. Posson, on premises. Brick, 3 stories, 3x15 feet, general alterations. Contract awarded to M. Singer, 430 Snyder avenue, Philadelphia.

Residence (alts.), 8124 St. Martin's lane, Philadelphia, \$4,800. Architect, private plans. Owner, Gerald Caner, on premises. General alterations. Contract awarded to John E. Walt, 204 East Willow Grove avenue, Philadelphia.

Shop, East side Memphis street, North of Westmoreland street, Philadelphia, \$3,600. Architect, private plans. Owner, Louis Myers, on premises. Brick, 1 story, 44x59 feet. Contract awarded to Marion Saunenartano, 3207 Memphis street, Philadelphia.

Residence and Store (alts.), 1524 Ridge avenue, Philadelphia, \$2,100. Architect, private plans. Owners, Liss & Lato, 1524 Ridge avenue, Philadelphia. General alterations. Contract awarded to N. Lapiden, 4643 C street, Philadelphia.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

HOOD TILE IS GOOD TILE

ROOFING TILE, PROMENADE
AND QUARRIES
RED, BUFF AND FIREFLASHED

DREXEL & CO.
INSTALLS ON THE ROOF OF ITS NEW
BUILDING
15TH AND WALNUT STREETS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

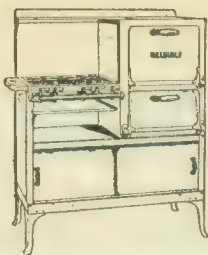
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private homes
and are equipped with coil, box or fabric springs



Write for our descriptive literature on
display rooms. See our all porcelain
equipment and Murphy cabinet ironing
well as samples of the Murphy

THE MURPHY DOOR BED

512 Bulletin Building
Philadelphia
Penna.

Berk
19 We
N

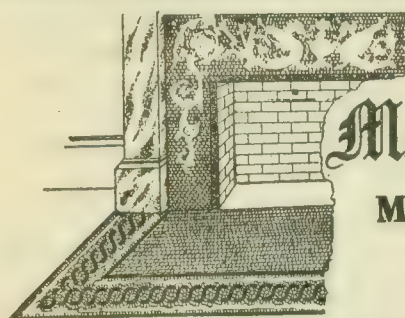
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

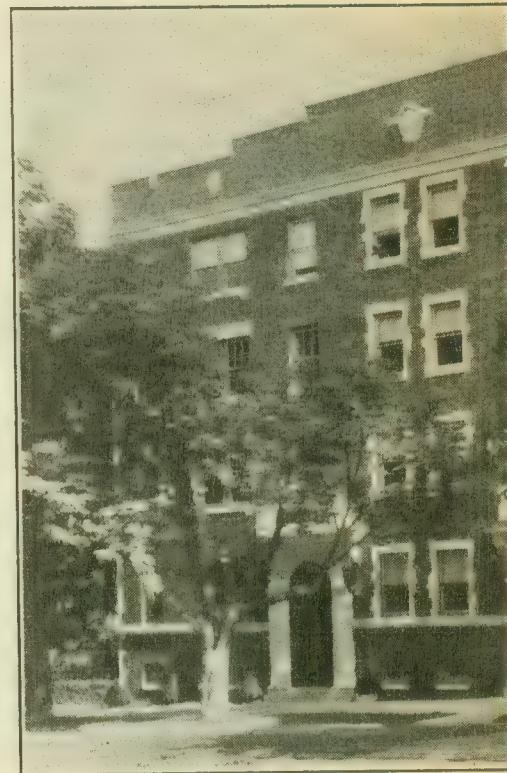
We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

For a Beautiful, Cor
Building. The firms
recognized Standard ar
Services. Avail yours
Write for Literature.



TRUSCON STO

Protects Masonry S

Examine your concrete or stucco walls. If hairc
the surfaces should be immediately waterproofed by apply

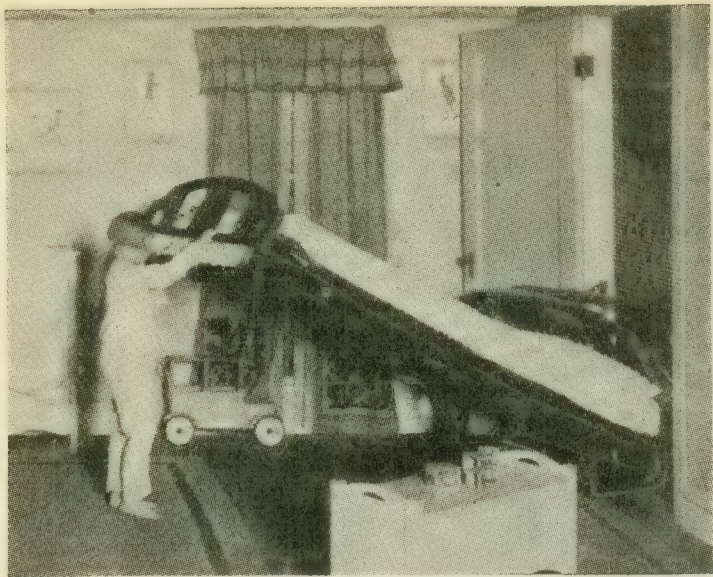
If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegratio
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but i
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

EDS

nes
ags
ill at our
kitchen
boards as
eds

CO.
Building
4th Street
York
BED



A child can operate the bed

Portable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX
rfaces

cks are beginning to show,
Truscon STONETEX.
d the concrete is spalling
topped by the application

s it prevent moisture
so covers the surface
es flat. It does not
e masonry.



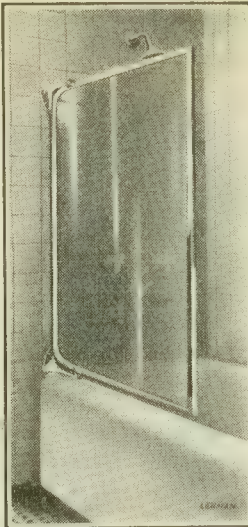
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.
If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO that will satisfy the most particular.
CERAMICS
TILES

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Manufacturing Building, North side Lancaster avenue, East of Fifty-fourth street, \$80,000. Architect, private plans. Owners, Hall Brothers & Wood, on premises. Brick,

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

EXPERT BLASTING

J. H. HARDING

10 N. 2d St. Camden, N. J.

Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

steel, concrete, 2 stories, 113x117 feet. Contract awarded to John N. Gill Const. Co., 112 North Broad street, Philadelphia.

Laundry Building, West side Eleventh street, North of Oxford street, Philadelphia, \$15,000. Architect, private plans. Owner, A. J. Nick, Marvine and Oxford streets, Philadelphia. Brick, 1 story, 61 feet 4 inches x 70 feet, slag roof, electric light. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Residence and Store (add.), Southeast Corner Sixty-third and Woodbine avenue, Philadelphia, \$15,000. Architect, private plans. Owners, McGinley & Bickel, 1997 North Sixty-third street, Philadelphia. Brick, 1 story add., 34x60 feet, slag roof, electric light. Contract awarded to John R. Erbe, 2551 North Sixth street, Philadelphia.

Residence, South side Fulmer street, East of Bustleton avenue, Philadelphia, \$7,000. Architect, private plans. Owner, Elmer Fulmer, Cottman and Rowland streets, Philadelphia. Brick, 2 stories, 35x35 feet, hardwood and pine floors, electric light. Contract awarded to Chancellor Day, 3504 Rhawn street, Philadelphia.

Residence, North side Murray street, West of Dungan road, Philadelphia, \$5,500. Architect, private plans. Owner, Paul Knight, Byberry, Pa. Frame, 1 story, 26x52 feet, hardwood and pine floors, electric light. Contract awarded to Chancellor Day, 3504 Rhawn street, Philadelphia.

Manufacturing Building (alts.), West side Broad street, North of Arch street, \$5,000. Architect, private plans. Owners, Berger Brothers, on premises. General alterations. Contract awarded to Frank G. English & Sons, 1606 North Carlisle street.

Residence and Store (alts.), 430-32 North Seventh street, Philadelphia, \$5,000. Architect, private plans. Owners, C. C. A. Baldi Brothers, 1011 South Eighth street, Philadelphia. General alterations. Contract awarded to Christopher Const. Co., 1140 South Seventh street.

Synagogue, Northwest Corner Fifty-third and Euclid avenue, Philadelphia, \$4,000. Owners, B'nai Ovion, on premises. Frame, 1 story, 51x80 feet, pine floors, electric light. Contract awarded to Weinstein & Pearson, 222 South Fifty-seventh street, Philadelphia.

Sunday School (alts.), Overbrook avenue and Lancaster pike, \$2,000. Owners, Memorial Church of St. Paul, on premises. General alterations. Contract awarded to Charles C. Pace, Merion, Pa.

Residence (add. and alts.), 543 North Thirteenth street, Philadelphia, \$2,000. Architect, private plans. Owners, J. R. Massey & Son, Thirteenth and Green streets, Philadelphia. Brick, 1 story add., 16x30 feet, general alterations. Contract awarded to Robert T. Lank,

300 North Forty-first street, Philadelphia.

Residence, North side Fulmer street, East of Bustleton pike, Philadelphia, \$12,000. Architect, private plans. Owner, S. C. Rupert, 7915 Walker street, Philadelphia. Stone, 3 stories, 39x28 feet, 16x6 feet 8 inches, hardwood and pine floors, hot water heat, electric light. Contract awarded to J. A. Hand, 3313 Rhawn street, Philadelphia.

Residence (add. and alts.), 1518 Summer street, Philadelphia, \$7,000. Architect, private plans. Owners, Bear Eng. & Const. Co., 1712 Ludlow street, Philadelphia. Brick, 1 story add., 16x18 feet, general alterations. Contract awarded to A. Raymond Raff Co., 1635 Thompson street, Philadelphia.

Residence (add.), 7319 Rising Sun avenue, Philadelphia, \$6,100. Architect, private plans. Owner, Jacob Glunz, on premises. Brick, 1 story add., 16x10 feet. Contract awarded to Harry Gorelick, 2427 Douglas street, Philadelphia.

Residence and Store (add.), 432 South Fifty-second street, Philadelphia, \$2,000. Architect, private plans. Owner, P. Rotman, on premises. Brick, 1 story add., 16x8 feet. Contract awarded to M. Levin, 2616 West Lehigh avenue, Philadelphia.

Residence and Store (add.), 1831 Harrison street, Philadelphia, \$2,000. Architect, private plans. Owner, Joseph Gerety, on premises. Brick, 1 story add., 16x33 feet 6 inches. Contract awarded to Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Residence and Store (add.), 4905 Frankford avenue, Philadelphia, \$2,000. Architect, private plans. Owner, William Mullen, on premises. Brick, 1 story, 6x17 feet. Contract awarded to Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Residence (add.), 4351 Almond street, Philadelphia, \$2,000. Architect, private plans. Owners, I. & J. Delewski, 4351 Almond street, Philadelphia. Brick, 2 stories add., 14 feet 6 inches x 18 feet. Contract awarded to Sani Serocki, 3129 Miller street, Philadelphia.

Warehouse, Fifty-eighth and Schuylkill road, Philadelphia, \$32,000. Architect, private plans. Owners, United States Gypsum Co., 300 West Adams street, Chicago, Ill. Brick, steel, 1 story, 200x60 feet, built-up gypsum roof, cement floors, Anocla heat, electric light, wood piling, demolition, plumbing. Contract awarded to Metzger, Fisher & White, Otis Building, Philadelphia.

Storage Building, 237-53 Church lane, Philadelphia, \$300,000. Architect, private plans. Owners, Malce Storage Co., 237 Church lane, Philadelphia. Brick, 7 stories, 75x120 feet. Contract awarded to George Kessler Cont. Co., 1733 North Marvine street.

Residence (alts.), West side St. Martin's lane, North of Chestnut avenue, Philadelphia, \$10,000. Owner, Arthur M. Thompson, West Chestnut avenue, Chestnut Hill, Pa. General alterations. Contract awarded to John Morrow, 8624 Germantown avenue, Philadelphia.

Office (alts.), East side Fifth street, South of Market street, Philadelphia, \$3,600. Owners, American Telephone & Telegraph Co., Bourse Building, Philadelphia. General alterations. Contract awarded to F. L. Hoover & Sons, 1023 Cherry street, Philadelphia.

Garage, 1901 North Twelfth street, Philadelphia, \$2,800. Architect, private plans. Owner, J. Mauze, Northeast Corner Twelfth and Montgomery avenue, Philadelphia. Brick, 1

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

story, 19x26 feet, slag roof, cement floors. Contract awarded to Scheetman Brothers, 1924 North Marshall street, Philadelphia.

Residence, West side Summerdale avenue, South of Rhawn street, Philadelphia, \$2,800. Architect, private plans. Owner, Frank Wildemuth, 2848 Ruth street, Philadelphia. Brick, 2 stories, 20x36 feet, 11x7 feet, electric light, pine floors. Contract awarded to Samuel Wildemuth, 2848 Ruth street, Philadelphia.

Church (Bolier Room), N. W. Cor. 18th and Diamond streets, \$12,000. Owners, Church of the Advocate, on premises. Contract awarded to Henry L. Roberts, 228 N. 16th street, Phila.

Residences, Office and Garage, 325 S. 17th street, Phila., \$10,000. Owner, Dr. W. E. Robertson, 327 S. 17th street, Phila. Brick, 2 story addition, 16x20 feet, general alterations. Garage: brick, 1 story, 16x27, cement work. Contract awarded to Frank I. Wintz, 1618 N. 27th street, Phila.

Church, S. W. Cor. 57th and Vine streets, Phila., \$7,000. Architect, private plans. Owners, Church of God of Christ, on premises. Brick, 1 story, 38x70 feet. Contract awarded to Angel Duva, 242 N. 57th street, Phila.

Residence, (add.), 504 Pine street, Phila., \$6,000. Architect, private plans. Owner S. Malerman, on premises. Brick, 4 story addition, 12x20 feet. Contract awarded to H. M. Shandles, No. 617 Pine street, Phila.

Pennsylvania Construction News

Stores (2), Apartments (4), Media, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, name withheld. Brick, cast stone, steel, 3 stories, 20x100 each, slag roof, hardwood and tile floors, steel ventiators, metal bulks, hot water heat, electric light. Plans in progress.

Stores (3), Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Harry Silvert, Bryn Mawr, Pa. Brick, cast stone, 1 story, 16x20 feet, slag roof, maple floors, gas radiation; electric lights, metal bulks, galvanized cornice. Ready for sub-bids July 19th.

Residences (12 pair), Media, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, name withheld. Cinder block, frame, 2½ stories, 16x40 feet, 10x18 feet, asbestos shingle roof, hardwood floors, cement work, auto refrigeration, hot water heat, electric light, tile work. Plans in progress.

Stores (2), Apartments (4), Glenbrook Ave., Bryn Mawr. Architect, John Charles Norton, Ardmore, Pa. Owner, Andrew Marmer, Bryn Mawr, Pa. Brick, cast stone, steel, 3 stories, 20x67 feet, slag roof, hardwood, maple and tile floors, skylight ventilators, metal bulks. Architect ready for sub-bids in one week.

Apartment House, Media, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Harry Dreyman, Media, Pa. Brick, reinforced concrete, steel cast stone, marble work, 4 stories 30x150 feet, slag roof, tile and linoleum floors, steam heat, electric light, oil burner, kalamein doors, auto-refrigeration. Plans in progress.

Apartment House, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa.

Owner, name withheld. Brick, steel, fireproof, 200x160 feet. Preliminary plans being drawn.

Church and School Building, Clearfield, Pa. Architects, Bur. of Architects of M. E. Church, 1701 Chestnut street, Phila. Owner, Trinity M. E. Church, Clearfield, Pa. Stone, brick, steel, cut stone, 1½ stories and basement, 143x170 feet. Plumbing, heating, electric reserved), asbestos shingle roof, composition, pine and cement floors, waterproofing, caststone, ornamental iron work, bond, kalamein doors, rolled steel sash, metal lath, steel partitions, ash hoists. Architect taking bids due July 22nd.

Church, Warner avenue, Bryn Mawr, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, Second Baptist Church, Bryn Mawr, Pa. Stone, cast stone, marble, 1 story, 80x140 feet, slate roof, tile floors, steam heat, oil burner, electric light, brass railing, waterproofing, reinforced concrete, linoleum, ornamental plaster, auto-refrigeration, zinc Baptist pools. Plans completed. Architect ready for bids.

Store, Media, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, name withheld. Brick, steel, 1 story, 40x150 feet, slag roof, maple and tile floors, ventilators, metal ceilings, cast stone, metal bulks, hot water heat, electric light. Plans in progress.

Residences (6), Ardmore Park, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, name withheld. Frame, plaster, 2½ stories, 20x38 feet; 10x15 feet, shingle roof, hardwood floors, auto-refrigeration, hot water heat, oil burner, electric. Plans in progress.

Office Building, 69th and Walnut streets, Upper Darby, Pa. Architects Tunis & Baker, 1600 Arch street, Phila. Owner, Del. Co. Real Estate Board, W. A. Loomes, Upper Darby, Pa. Ready for bids.

Temporary Church, Shelbourne road, near West Chester Pike, Manoa, Pa. Architect, Hoffman Henon, Finance Bldg., Phila. Owner, Sacred Heart Parish, Rev. J. J. Hickey, Manoa, Pa. Concrete block, stucco, seating capacity. Plans completed. Architect ready for bids in a few days.

Residence, Wyomissing, Reading, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Theodore C. Aumans, Reading, Pa. Stone, 2½ stories, 35x110 feet, slate roof, hardwood floors, vapor heat, electric light, tile work. Plans in progress.

Bank, Abington, Pa. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Abington Bank & Trust Co., Abing-

ton, Pa. Brick, limestone, 1 story. Preliminary plans in progress.

Club House, Parker avenue, Collingdale, Pa. Owners, Glendale Country Club, care of Fred and Arthur Wilson, B. R. Parker, Glenolden, Pa. Club house, golf course, etc. Work contemplated.

Administration Building, Brookline, Haverford Township, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owners, Commissioners of Haverford Township, Haverford, Pa. Brick, steel, 2 stories and basement. Plans completed. Ready for bids in a few days.

Home Economics Building (alts.), Norristown, Pa. Architect, E. Lane Crawford, Norristown, Pa. Owners, Norristown School District, Norristown, Pa. Brick, 2 stories, 25x70 feet, general alterations. Plans in progress. Ready for sub-bids in two weeks.

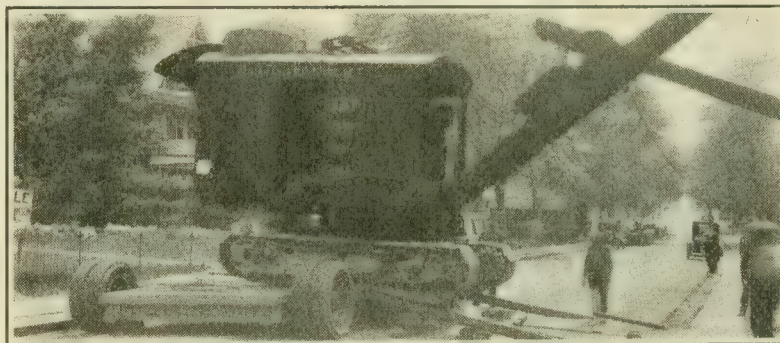
Club House, Whitmarsh, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owners, Sunnybrook Golf Club, care of J. S. Clark, 321 Chestnut street. Plans in progress. Ready for bids in 3 weeks.

Bank Building, West Hazleton, Pa., \$150,000. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Miners' Bank, J. H. Jones, president, West Hazleton, Pa. Brick

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

The Seal-A-Void Co.
WATERPROOFING ENGINEERS
Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO
PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

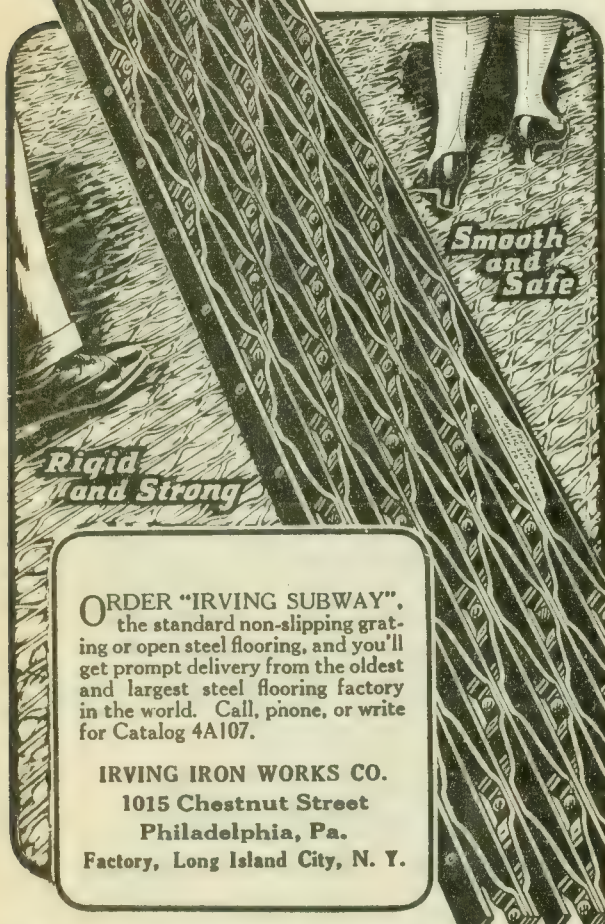
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**

and stone, 1 story. Preliminary plans in progress. Will take bids next winter. Work will be started about April, 1928.

Sunday School, York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, United Brethren Church, Rev. C. C. Miller, 930 East Market street, York, Pa. Brick, steel, 1 story and gallery, 100x100 feet, slate roof, maple floors, vapor heat, electric light, steel sash. Plans in progress.

Sewage System, Hatboro, Pa., \$200,000. Owners, Borough Council, S. C. Garmer, Hatboro, Pa. Work contemplated.

Capitol Building, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, State of Pennsylvania, Department of Property and Supplies, State Capitol, Harrisburg, Pa. Architects selected.

Ice Plant, Dining Hall (add.), Physicians' and Nurses' Buildings, Harrisburg, Pa., \$345,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, State Hospital, Dr. E. M. Green, Cameron and Maclay streets, Harrisburg, Pa. Brick, steel, 3 and 4 stories. Architect selected.

Hotel Senate (add.), Market street, Harrisburg, Pa., \$50,000. Architects, Kast & Keller, 222 Market street, Harrisburg, Pa. Owner, Dr. L. C. Goldman, Caplan Building, Harrisburg, Pa. Brick, steel, 6 stories, 66x23 feet, composition floors, electric light. Plans in progress.

Commercial Building, Pottsville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, name withheld. Cinder block, steel. Preliminary plans in progress.

Gymnasium Building, Reading, Pa. Architects, Riteher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Reading School District, Oscar B. Heim, secretary, Eighth and Washington streets, Reading, Pa. Brick, steel, concrete, 2 stories, 130x280 feet, composition roof, tile and composition floors (plumbing, heating, electric separate). Revised plans in progress.

Church (alts.), Allentown, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, Sacred Heart Roman Catholic Church, Rev. L. G. Fink, Allentown, Pa. General interior alterations, pine and marble floors, mosaic tile work. Architect ready for bids.

Church and Sunday School, Price and Essex avenues, Narberth, Pa. Architect, Alexander Mackie Adams, 1012 Walnut street, Philadelphia. Owners, Narberth Methodist Episcopal Church, W. J. Bailey, care of Hillman Coal & Coke Co., Pennsylvania Building, Philadelphia. Stone, brick, cut stone, steel, 3 stories and basement, 72x40 feet, slate roof, oak, cement and linoleum floors, waterproofing, flagstone, bluestone, ornamental iron work, area

gratings, cinder concrete block, cork tile, leaded glass, metal lath, terrazzo work, rolled steel sash, fire doors. Architect taking bids.

Nurses' Home, Highland avenue, East of Charles street, Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, General Hospital, C. Y. Brough, Hanover, Pa. Brick, reinforced concrete, cut stone, steel, limestone, granite, 2 stories and basement, 76x36 feet, slag roof, hot water heat, electric light, metal lath, tile and marble work, cement, oak and pine floors, metal weather strip, waterproofing, fire doors, bond, floor hardener, ornamental iron work, wrought iron pipe, plumbing. Architects taking bids due July 26th, 11 A. M.

Cut Granite, Harrisburg, Pa. Architects, Sidney Ross and W. Praham, 101 Park avenue, New York. Owners, State of Pennsylvania, B. F. Taylor, secretary, Department of Property and Supplies, Harrisburg, Pa. Contract F-6, furnishing and delivering cut granite for West Terrace of Capitol Park. Owners taking bids due August 3rd, at noon (Standard Time).

Post Office, Clifton Heights, Pa. Architect, J. A. Wetmore, Washington, D. C. Owners, United States Government, care of H. B. Mayhew, Inspectors' Office, Ninth and Market streets, Philadelphia, or Fred. F. Duke, Clifton Heights, Pa. Brick, 16,000 square feet. Owners taking bids due August 11th.

Home (alts. and add.), Warminster, Bucks County, Pa. Architect, private plans. Owners, Christ Home for Homeless and Destitute Children, Mr. Wurst, on premises. Carpentry and mill work, plastering, painting, glazing, hardware. Owners taking bids due July 22nd.

High School, Paradise Township, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Paradise Township School Board, E. W. Denlinger, secretary, Paradise, Pa. Brick, steel, 1 story and basement, 130x120 feet, slate and composition roof, gum floors, safety treads (heating, plumbing and electric separate), metal lath, tile work, fire doors, ornamental iron. Owners taking bids due July 22nd.

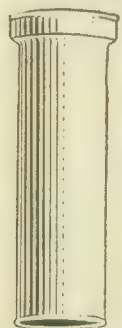
Residence (alts. and add.), Berwyn, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, Gordon Stuart, on premises. Stone, 2½ stories and basement, 28x30 feet, wing 24x32 feet, bond, stone work, carpentry and mill work, soundproofing, coldproofing, metal lath, plastering, painting, glazing, hardware, metal lath, plumbing, wrought iron pipe, electric work, cut stone, flagstone, bluestone, canvas roof, cork floors, copper flashings, vapor heat. Architect taking bids due July 23rd.

Painting Court Room No. 1, Media, Delaware County, Pa. County engineer, Media, Pa. Owners, Delaware County, Media, Pa. Owners taking bids due July 26th, 11 A. M. (Standard Time).

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due July 18th, at 10 A. M.

Allegheny County, R-70, Sec. 4C, O'Hara and Harmar Townships, 8,350 feet. One course reinforced concrete. Certified check, \$3,000.

Beaver County, A-4746, Woodlawn Borough, 8,065 feet. One course reinforced concrete. Certified check, \$1,500.



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Berks County, R-381, A-3951, Exeter Township, 3,635 feet. One course reinforced concrete. Certified check, \$1,000.

Dauphin County, R-339, A-4345, Berksburg Borough, Mifflin and Lykens Townships, 10,882 feet. One course reinforced concrete. Certified check, \$2,000.

Erie County, R-844, Waterford Borough, 2,755 feet. One course reinforced concrete. Certified check, \$1,000.

Somerset County, A-3130-B, Elk Lick Township, 536 feet. One course reinforced concrete. Certified check, \$500.

Somerset County, A-384, Elk Lick Township, 5,292 feet. One course reinforced concrete. Certified check, \$1,500.

Westmoreland County, R-68, Sec. 6, Salem Township, 9,228 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, A-4361, Unity Township, 20,021 feet. One course reinforced concrete. Certified check, \$2,500.

Owners taking bids due July 29th, at 10 A. M.

Adams County, R-231, Strabane Township, 5,745 feet. One course reinforced concrete. Certified check, \$1,500.

Beaver County, R-76, Sec. 6, Bridgewater Borough, 1,800 feet. One course reinforced concrete. Certified check, \$500.

Blair County, R-55, Blair, Frankstown, Allegheny and Logan Townships, Hollidaysburg Borough, 16,141 feet. One course reinforced concrete. Certified check, \$2,500.

Columbia County, R-239, A-4275, Mt. Pleasant, Madison and Greenwood Townships, Millville Borough, 21,190 feet. One course reinforced concrete. Certified check, \$2,500.

Fayette County, R-112, Secs. 5 and 6, Menallen and South Union Townships, 7,790 feet. One course reinforced concrete. Certified check, \$2,000.

Monroe County, A-3760A, Jackson Township, 10,452 feet. Bituminous surface treated macadam surface course. Certified check, \$1,000.

Northumberland County, R-336, A-4928, Little and Mahanoy Townships, 19,060 feet. One course reinforced concrete. Certified check, \$3,000.

Warren County, A-4014, Broken Straw Township, 17,341 feet. Bituminous surface treated macadam surface course. Certified check, \$2,000.

Bridge, Huntingdon County, Route 121, over Black Log Creek, between Station 692/51.4 and Station 711/00. Reinforced concrete, 1,788 feet. One course reinforced concrete pavement. Certified check, \$500.

Viaduct, Indiana County, R-262, Clymer Borough and Cherryhill Township, over Two Lick Creek and the tracks of the C. T. & D. R. R. from Station 0/43.4 to Station 15/69.1. Reinforced concrete, structural steel. 926 feet. One course reinforced concrete pavement. Certified check, \$1,500.

Garage, Grading and Road Building, Jeffersonville, Montgomery County, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, School Board, West Norristown, H. J. Brown, Norristown, Pa. Deposit, \$5, refunded. Certified check, 5 per cent. Owners taking bids due July 25th at noon. Bond.

Pennsylvania Contracts Awarded

Grade School, Catasauqua, Pa., \$73,000. Architect, C. J. Lappley, Parkside Bldg., Harrisburg, Pa. Owners, Catasauqua School Board, Miss Ida Downs, Secretary, Catasauqua, Pa. Brick, steel, concrete, fireproofing, 2 stories and 1 story, 36x68 feet; 94x84 feet, composition and slag roof, mastic floors, hollow tile. Contract awarded to C. W. Strayer, 6th and Division streets, Harrisburg, Pa. Plumbing to M. H. Baker & Co., 1330 Derry street, Harrisburg, \$4984. Heating to Lindermuth Eng. Co., 155 N. George street, York, Pa., \$13,840. Electric to E. M. Rehrig, Northampton, Pa., \$2,566.

Y. M. C. A., Reading, Pa. Architect, Samuel T. Wagner, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, reinforced concrete, steel, granite, 3 stories and basement, 95x171 feet, Barrett specification roof, cement and maple floors, hollow tile, plumbing, dampproofing, architectural terra cotta, area gratings, wrought iron pipe, brass pipe, ornamental iron work, asphalt mastic floors, linoleum, metal toilet partitions, steam heat, electric light, tile, marble and terrazzo work, rolled steel and hollow metal sash, rolled steel skylights, fire and kalamein doors, bond, iron stairs, ornamental iron work. Contract awarded C. H. Schlegel, Reading, Pa.

Apartment House, Eagle Hill road and Old Lancaster pike, Pa. Architect, H. G. McMurtre, 1012 Walnut street, Philadelphia. Owner, John R. K. Scott, Land Title Building, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 175x125 feet, slag roof, oak and pine floors, steam heat, electric light, tile work, ornamental iron work. Contract awarded A. L. Fretz, Heed Building, Philadelphia.

Glen-Nor High School (add.), West side South avenue, Glenolden, Pa. Architect, Clarence W. Brazer, Crozer Building, Chester, Pa. Owners, Joint Board of Education, Glenolden and Norwood, F. H. Roberts, Glenolden, Pa. Brick, reinforced concrete, steel, 2 stories and

basement, 70x30 feet, slag roof, cement and maple floors, hollow tile, safety treads, metal weatherstrip, metal sash, metal lath. Contracts awarded: J. Y. Loux, Fifteenth and

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

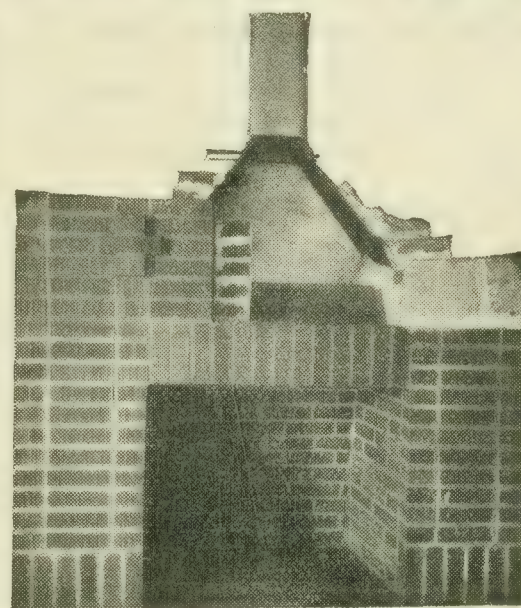
**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Hunting Park avenue, Philadelphia, \$46,000; electric, H. A. Hines, care of architect, \$8,178; plumbing, W. T. Fowden, Chester, Pa., \$7,370.

Church and Sunday School, Market and Ormond streets, Linwood, Delaware County, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Marcus Hook Baptist Church, Marcus Hook, Pa. Brick, cut stone, limestone, steel, 1 story and basement, 36x50 feet, shingle roof, composition, cement and maple floors, plumbing, metal ceilings, cast stone, area gratings, cinder concrete blocks, ornamental iron work, bond, floor hardener, fire doors, rolling steel sash, metal lath, electric light. Contract awarded J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia.

Children's Hospital (Unit No. 2), near Elizabethtown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Pennsylvania Department of Health, P. B. Appel, Harrisburg, Pa. Stone, steel, cut stone, brick, 3 stories and basement, 71x36 feet, gypsum tile roof, hollow tile, waterproofing, ornamental iron work, iron stairs, floor hardener, casement windows, bond, hollow metal doors, tile work, marble work, metal lath. Contract awarded D. S. Warfel, Lancaster, Pa.

Manufacturing Building, Carlisle, Pa. Architect, private plans. Owners, C. H. Mashland & Son, Inc., Amber and Westmoreland streets, Philadelphia. Brick, steel, 1 story and basement, 167x210 feet (plumbing, heating, electric reserved), slag roof, cement floors, rolled steel sash, ornamental iron work. Contract awarded Curtis Grindrod, 10 South Eighteenth street, Philadelphia.

Club House, Newtown Square, Pa. Architects, associate, Charles Barton Keen, 338 South Smedley street; F. D. Edmunds, Real Estate Trust Building, Philadelphia. Owners, Aronomink Golf Club, Newtown Square, Pa. Stone, brick, stucco, steel, 2½ stories and basement, irregular in size, slate and tile roof (plumbing, heating, electric and tile reserved), cement and pine floors, metal lath, tile work, rolled steel sash, bond, ornamental iron work. Contract awarded Milton W. Young, 2037 North Sixty-third street, Philadelphia.

Club House, Whitemarsh, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owners, Sunnysbrook Golf Club, care of J. S. Clark, 321 Chestnut street. Stone, 2½ stories and basement, steam heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, shingle and slate roof, cement and oak floors, linoleum floors. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Steel Portable School, Booker T. Washington School, Seventh and Central avenue, Chester, Pa., \$2,246. Owners, Board of Education, Chester, Pa. Contract awarded Maryland Metal Building Co., care of owners. Repairs to heating and ventilating in various schools awarded to American Heating & Ventilating Co., Schaff Building, Philadelphia.

Reinforced Concrete Stand, Villa Nova, Pa. Engineer, P. J. McCormick, Fuller Building, Philadelphia. Owners, Villa Nova College, C. A. McGreehan, Villa Nova, Pa. Reinforced concrete, 40x340 feet, plastering, painting, glazing, rolled steel sash, bond, ornamental iron work, cinder concrete block. Contract awarded Carl R. Camp, 10 South Eighteenth street, Philadelphia.

Residences (2), Academy Manor, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owner, P. H. Kaplan, 2227 North Second street, Harrisburg, Pa. Brick, 2½ stories, 60x30 feet, slate roof, hardwood floors, vapor heat, electric light,

tile work. Contract awarded to J. S. Foose, Coxetown, Harrisburg, Pa.

Residence, Wrightsville, Pa., \$125,000. Architects, Delano & Aldrich, 126 East Thirty-eighth street, New York. Owner, S. Florry Laucks, Lauxmont, Wrightsville, Pa. Brick, 2 stories, hardwood and pine floors, electric light, tile work. Contract awarded to Central Building Co., 58 Front street, Worcester, Mass.

Church and Sunday School, York, Pa. Architect, J. B. Hamme, City Bank Building, York, Pa. Owners, First Baptist Church, Miss Cecil Kendrick, secretary, York, Pa. Brick, steel, 1 and 2 stories, 60x100 feet, metal roof, hardwood and tile floors, hollow tile, vapor heat, electric light, metal lath, tile. Contract awarded to Hess Brothers, Grantley street and King's Mill road, York, Pa.

School (add.), East York, Pa. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Independent School District of Springettsbury, York County, H. Kissinger, East York, Pa. Brick, 1 story, 33x45 feet, composition roof, pine floors, heating extension, electric light. Contract awarded to Clair Gaber, Spring Grove, Pa.

Garage and Service Building, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owners, Yellow Cab Co., care of Mr. Haines, 312 Cherry street, Reading, Pa. Concrete block, steel, brick, 2 stories, 40x200 feet, built-up roof, concrete floors, roof ventilators, waterproofing and damp-proofing, iron stairs, floor hardener, fire doors, steel sash, steam and hot water heat, electric light. Contract awarded to Sharp Const. Co., 22 North Fifth street, Reading, Pa.

Garage, 40 South Ninth street, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, H. A. Spatz, 108 Plum street, Reading, Pa. Brick, steel, 1 story, 40x142 feet, composition roof, concrete and wood floors, roof ventilators (heating reserved), electric light, steel sash, fire doors. Contract awarded to Sharp Const. Co., 22 North Fifth street, Reading, Pa.

Wagon Building, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Ziegler Dairy Co., Third and Washington street, Reading, Pa. Cinder block, 1 story, 40x92 feet, composition roof, concrete and tarvia floors, electric light, steel sash. Contract awarded to Rider & McLaughlin, Reading, Pa.

Pennsylvania State Highway Work. Wayne County, R-6, Sec. 2, Canaan and Texas Townships, Waymart and Prompton Boroughs. One course reinforced concrete. Contract awarded to David Schoentag, Inc., Saugerties, N. Y., \$436,936.20.

Berks County, R-157, S-1A, Ontelaunee and Maiden Creek Townships. One course reinforced concrete. Contract awarded to Bryant & Kohl, Wilkes-Barre, Pa., \$99,910.40.

Berks County, A-3842, Sec. 2A, Rusecomb Manor Township and Rockland Township. One course reinforced concrete. Contract awarded to York Eng. & Const. Co., York, Pa., \$114,959.35.

Berks County, R-518, Sec. 2, A-4632, Cumru and Brecknock Townships. One course reinforced concrete. Contract awarded to Bryant & Kohl, Wilkes-Barre, Pa., \$154,217.42.

Dauphin County, R-1, Middle Paxton Township. One course reinforced concrete. Contract awarded Continental Cont. Co., Baltimore, Md., \$48,464.60.

Mifflin County, R-29, Derry Township. One course reinforced concrete. Contract awarded Rauch & Kessler, Northumberland, Pa., \$40,814.96.

J. Linerd Conarroe, Architect, has opened new offices at 1518 Walnut Street, Philadelphia.

New Jersey Construction News

Theatre, Hanover street, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, Max K. Bash, Trenton Trust Building, Trenton, N. J. Fireproof, 2 stories, 80x175 feet, slag roof, electric light. Preliminary plans in progress.

Jail Building and Gymnasium, Hamilton Township, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Building Commission of Hamilton Township, care of architect. Brick, steel, 1 story, 50x100 feet, slag roof, concrete floors, metal window guards, damp-proofing, jail equipment, steel sash, metal lath (heating, plumbing and electric reserved). Will be ready for bids August 2nd.

Fire House, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Borough of Hightstown, Town Hall, Hightstown, N. J. Stone, cinder block, steel, 2 stories, 60x110 feet, slate roof, concrete and linoleum floors, hollow tile, roof ventilators, waterproofing and damp-proofing, iron stairs, fire doors, steel sash and skylights, tile work, metal lath, vapor heat, electric light. Architect taking bids due August 2nd.

Theatre, Bridgeton, N. J. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Co. of America, 1916 Race street, Philadelphia. Brick, reinforced concrete, steel 1 and 2 stories and basement. 267x86 feet, gypsum tile roof, cement, oak and pine floors, roof ventilators, cast stone, wrought iron pipe, ornamental iron work, area gratings, sprinkler system, plumbing, rubber tile floors, kalamein doors, tile, marble and terrazzo work, metal lath, electric light, steam heat. Architects taking sub-bids.

Turkish Bath Establishment (Spanish Court Room), Absecon, N. J. Architect, Ralph E. White, Pella Building, Philadelphia. Owners, Seaview Golf Club, Absecon, N. J. Concrete, brick work, hollow tile, carpentry and mill work, hardware, iron work and stairs, marble and tile work, plastering, painting, glazing, bronze work. Architect taking bids due July 21st.

School Building, Pennsgrove, N. J. Architect, C. R. Peddle, 236 South Fourth street, Philadelphia. Owners, School Board, Pennsgrove, N. J. Cement block, stucco, 1 story and basement, 60x140 feet, slag roof, hot water heat, pine floors, electric light. Owners taking bids due July 22nd.

Residence, Hollywood avenue, Trenton, N. J., \$10,000. Owner, Matthew Reedhead, 12 Park avenue, Trenton, N. J. Brick, 2½ stories, 22x45 feet, slate roof, hardwood floors, electric light. Owner will build.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Bridge, Route 2, Bridgeboro, Burlington County, over Rancocas Creek, 60 feet, 3 spans, total length, 360 feet, concrete, structural steel, reinforcing steel, piles, roadway embankment, bituminous coated macadam surface, foundation excavation, operating machinery. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due August 1st at 11 A. M. (Eastern Standard Time).

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Furnishing and placing sheet asphalt surface on Route 17 (south) at Thorofare on prepared stone base and Route 13, Section 5, South of Lawrenceville, on a prepared concrete foundations. Sheet asphalt surface. Mercer and Gloucester Counties. Deposit, \$10. Certified check, 10 per cent. Owners taking bids

due August 1st at 11 A. M. (Eastern Standard Time).

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 5, Section 19, Dover-Denville, Morris County. Grading, excavation, rock excavation, borrow, bituminous macadam pavement. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due August 1, at 11 A. M. (Eastern Standard Time).

Curbs, Paving and Street Work, Hammon, N. J. Engineer, J. A. Baker, Hammon, N. J. Owners, Hammon Township Council, W. Seeley, Hammon, N. J. Deposit, \$10. Refund, \$5. Owners taking bids due July 25th, 7 P. M.

New Jersey Contracts Awarded

State Office Building (first unit), Trenton, N. J. Architect, J. O. Hunt, Hunt Bldg., Trenton, N. J. Owners, State of New Jersey, State House, Trenton, N. J. Cast stone, steel, gypsum, fireproof, 4 stories, 286x60 feet, built-up promenade roof, concrete, tile, rubber and linoleum floors. Contract awarded to Karno-Smith Const. Co., Broad Street Bank, Bldg., Trenton, N. J., \$727,861.

Pulverizing Plant and Office, Trenton, N. J. Architect, W. E. S. Dyer, Land Title Building. Owners, Golding Sons Co., Trenton, N. J. Brick, concrete, steel, asbestos corrugated siding, 1 story and basement, 35x20 feet, 65x73 feet, gypsum roof, cement floors, painting, glazing, plumbing, safety treads, architectural terra cotta, wrought iron pipe, ornamental iron work, bond, hollow metal doors, rolled steel sash, metal lath. Contract awarded C. J. Smith Const. Co., Trenton, N. J.

Motor Building, Trenton, N. J. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Copper alloy building. Contract awarded William Burton, Trenton, N. J., and Truscon Steel Co., Schaff Building, Philadelphia.

Residences (8), 632-46 Van Hook street, Camden, N. J., \$25,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph Rittenberg, Fourth and Kaighn avenue, Camden, N. J. Brick and block, 2 stories, 13 feet 6 inches x 40 feet, slag roof, pine floors, hot air heat, electric light. Contract awarded to S. Levy, 1214 Kaighn avenue, Camden, New Jersey.

Residence and Garage, 437 North Thirty-seventh street, Camden, N. J., \$4,500. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owner, Michael O'Neill, 448 North Thirty-sixth street, Camden, N. J. Frame, 2 stories, 22x24 feet, rubberoid shingle roof, hot water heat. Contract awarded to Elmer Yost, 315 Mechanic street, Camden, N. J.

Store, Southwest Corner Seventh and Kaighn avenue, Camden, N. J., \$3,000. Architect, Howard Hall, Merchantville, N. J. Owners, Tarter Realty Co., 1230 Kaighn avenue, Camden, N. J. Brick, 1 story, 35x50 feet, slag roof, pine floors, electric work. Contract awarded to M. W. Cooperson, 550 Federal street, Camden, N. J.

Church, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Gallilee Baptist Church, Rev. J. Wilson, Trenton, N. J. Brick, stone, 1 story and basement, 50x100 feet, slate roof, maple floors. Contract awarded to J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Store and Garage, Trenton, N. J. Architect, private plans. Owner, A. S. Houghton, care of builder. Cinder block, 1 story, 12x31 feet, slag

roof, wood floors, electric light, cement floors. Contract awarded to Hiram Hughes, 1147 Indiana avenue, Trenton, N. J.

Casino and Dining Room, Pinewald, N. J. Architect, Henry L. Reinhold, 1623 Walnut street, Philadelphia. Owner, Mrs. Mary E. Hayden, Pinewald, N. J. Contract awarded Vernon Sutton, Toms River, N. J.

Residence, South Orange, N. J. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Hans Kionka, South Orange, N. J. Stone, 2½ stories, 112x32 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded E. Allen Reeves, Abington, Pa., who is taking sub-bids due at once.

Miscellaneous Construction News

School (add.), Auditorium and Gymnasium, Brunswick, Md. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Frederick County School Board, L. G. Palmer, secretary, Court House, Frederick, Md. Brick, 2 stories and basement, 117x40 feet, 117x40 feet, safety treads (heating, plumbing, electric separate). Preliminary plans in progress.

Residences (2), Eighteenth street, Wilmington, Del., \$12,000. Architect, private plans. Owners, Crossan & Lightfoot, Colonial Heights, Wilmington, Del. Brick, 2 stories, 20x30 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Store, Apartment and Garage, Delaware and Lincoln streets, Wilmington, Del. Owner, Guy R. Ford, Citizens' Bank Building, Wilmington, Del. Brick, 2 stories, 75x55 feet, slag roof, hardwood floors, steam heat, electric light, tile work. Permit issued.

Road Work, Delaware. Owners, State Highway Dept., Dover, Del. Owners taking bids due August 3 at 2 P. M. Contract 69-A, Harrington-Hasten's Corner, 3.40. Oiling Big Ash—Warren School, 2.40 (5.8 miles). Lime ships, slag base course, tarvia B road oil. Contract 88, State Wharf at Little Creek. Timber piling, sheet piling (left in place), including all fitting. Contract 89, DuPont Road—Lancaster Pike—Kennett Pike 0.66 miles. Excavation, borrow, broken stone base course, cement concrete pavement, longitudinal metal joint, corrugated metal pipe, R. C. pipe, Class A concrete gutter. Contract CS-59, Columbia-Laurel-Sharptown Road, 1.544 miles. Clearing, grubbing, excavation, borrow, cement concrete, (slag aggregate), longitudinal metal joint, longitudinal joint (non-metallic), Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, wood shoulder curb.

Miscellaneous Contracts Awarded

Men's Field House, Morgantown, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, West Virginia University, care of State Board of Control, J. S. Lakin, Charlestown, West Virginia. Reinforced concrete, brick, limestone, steel, 1 story, 167x120 feet, 2 wings, 57x35 feet, composition and slag roof, cement and maple floors, hollow tile, plumbing, roof ventilators, concrete piling, waterproofing, blue-stone, metal partitions, steel pipe, steam heat, ornamental iron work, floor hardener, bond, hollow metal sash, steel skylights, metal lath, electric light. Contract awarded Forman & Putman, Marietta, Ohio.

The national construction survey just completed by the American Construction Council shows that while for the country as a whole construction activities for the first six months of 1927 may be slightly less than for the first six months of 1926, a very high volume is still being maintained. The present prospects are encouraging for a well-sustained season in building operations, with a large volume of engineering construction under way and projected.

A distinct attitude of caution prevails, a situation which in general is favorable to legitimate building construction with better construction more and more in demand. Conditions however are somewhat spotted as to volume and dominant types for various districts, each locality following more and more the dictates of supply and demand based on real needs as contrasted with the super-charged speculative building of the past several years. The hey-day of haphazard housing for both large apartments and private dwelling colonies is drawing to a close, although where there is a real need the demand is being readily cared for. The same conditions of supply and demand to meet particular needs exists for other types of building. Public buildings and public utilities tend to dominate next to housing. The smaller communities are showing special strength, both in outlying districts as well as in suburban activities.

Credit conditions on purely speculative operations have tightened considerably both as to basic financing and in extension of credit by material manufacturers and dealers, but plenty of money is available for meritorious work.

During the past winter the American Construction Council, with the co-operation of various real estate mortgage bond houses and branches of the construction industry prevented a near-crisis not only in the building industry but for business generally through what would otherwise have been, to say the least, a "bad case of nerves" on the part of the investing public toward all real estate mortgage bonds.

Materials and labor are on the whole reasonably stable though fluctuating somewhat in some localities.

The large volume of highway construction makes it increasingly important to build properly built highways so that this enormous investment of money will not suffer undue depreciation in value.

Compared with the conditions of the past several years, the building industry offers more nearly a buyer's market than has existed for a long time. This is a necessary and desirable tendency in the direction of ultimate stability of activity and character of operations which the American Construction Council has been so strenuously advocating ever since the building boom began in 1922. The respon-

sible people in all elements of the industry welcome the indications of a return to normal consideration of real building values and if this result can be accomplished without "cut-throat competition" there is no cause for undue alarm. Discrimination and not inactivity is therefore the watch-word for the building buying public.

The construction industry however is facing a period of readjustment as indicated above, which requires more than ever the need for general coordination and impartial counsel directed toward the welfare of the industry and the public interest. The importance of the work of the American Construction Council and its related agencies is becoming more and more apparent as the construction industry enters this period of readjustment.

EXHAUST FAN BIG FOE OF DEADLY MONOXIDE

Positive Mechanical Control of Air Only Insurance of Safe Ventilation of Garages, Experts Declare

Despite the fact that garage doors and windows are usually kept open during the warm days of summer, public garages should be ventilated by positive mechanical action.

That is the warning of public health authorities and automotive engineers who have been studying the effect of temperature and other climatic conditions on the deadly carbon monoxide gas which is taking a huge toll of American life.

The smaller type of garage can be made safe by use of exhaust fans, but larger garages, where numerous cars are operated, should provide a properly designed exhaust system of ducts connected to suitable exhaust fans, these authorities declare. Tests have shown that climatic conditions vary so much that vitiated air will not exhaust by natural means through vents located on the roofs. The air and gases must be driven out by fan action.

The plant engineers of such big producers as Willys-Overland, General Motors, Ford, Studebaker, Franklin and others have sent out warnings to their distributors and dealers to make it a point so see that proper ventilating systems are installed and operated in their garages and service stations. One manufacturer sent out this message:

"The repair room, where the mechanics are making adjustment of carburetor or testing engines, should by all means be amply ventilated at all times. In fact, special attention should be given to this room, to provide sufficient ventilation in order to protect the workmen properly. It is a good plan to have flexible metal hose

connections, with a series of adapters, so that the exhausts of the cars being tested may be connected to duct outlets where there is sufficient mechanical draft to expel the gases.

"During the rush periods, when the greatest number of cars are either going out or coming in, the generation and accumulation of gases become the greatest. Therefore, during these periods the ventilating equipment should be operating continuously at maximum capacity, in order to exhaust the vitiated air as quickly as possible."

Physicians of the public health service have urged that the air in all garages be completely changed at least five times every hour. This, it is pointed out, would be sufficient to dilute the deadly gases as to remove serious danger of poisoning. The use of small exhaust fans in private garages is being widely adopted since many automobile owners prefer to work on their own cars, but are frightened by the dangers of carbon monoxide.

In tests of the exhaust of a small 23-horse power automobile engine, it has been found that it discharges approximately 25 cubic feet of gas per minute, samples of which gave an average of 6 per cent carbon monoxide, or $1\frac{1}{2}$ cubic feet of the gas per minute. A ratio of 15 parts carbon Monoxide to 10,000 parts of air is considered a dangerous concentration to be exposed to for a considerable time, and the small 23-horse power engine, in "warming up" and giving off one cubic foot of monoxide, would contaminate air of a small closed garage 10 by 10 by 20 to the danger point in about three minutes. Automobile exhaust gas contains an average of from 7 to 10 per cent carbon monoxide. The quantity of the poisonous gas expelled by a cold motor is greater than that expelled by a motor already warmed up due to the greater proportion of gasoline or "richer mixture" required.

The danger of poisoning by paint in paint shops has been greatly reduced by provisions for correct systems of air conditioning while the automotive industry itself has learned to use mechanically controlled air in practically every phase of manufacture for both protecting the health of workmen and speeding up production. It has taken the aggressive lead in a national movement for better air conditions in American cities and to reduce the "sewage of air" which has been created as the by-product of industry.

The man who doesn't advertise because he can't afford to "do it right" will never reach a position of affluence because everything worth while in the world had to have a beginning, and there can be no "get there" for the fellow who fails to make a start.

EASY MONEY

For several years money has been made easily in the United States. This statement applies not only to the building industry but to all lines of endeavor. Effort has been stimulated by the activities of traders, men who change occupations with facility when profits appear to be greater in one place than in another.

These "fly by nights," "rainbow chasers," "job skimmers," to use a few of the terms used in speaking of these individuals, have greatly hurt the building business. They built speculatively and used high pressure sales methods in disposing of their products. Building is reaching a normal condition; but it is a larger volume than the normal of ten years ago. The speculative builders who hurt the business are going into other lines. Now is the time for reputable builders to practice daily the religion of thoroughness, good work, honest products and common decency.

Homebuyers now pay more attention to quality. Give it to them. Good service pays.—*Building Age and National Builder.*

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship, it is going to miss by just that much the pulling power it ought to have.

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—John D. Rockefeller.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th & Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

DOOR BEDS

Truscon Laboratories 1505 Race St., Phila.

DOORS (Overhead)

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

TWO MEN AND A HOTEL FIRE

Two men lost their personal effects in a hotel fire. One said: "It's a beastly inconvenience." The other said: "It will set me back five hundred bucks."

It meant inconvenience to the first one, but not financial loss. His personal effects were covered by North America Tourist Baggage Insurance. Are yours?



A 355,000 Gallon Reservoir in This Building Is Waterproofed with "ANTI-HYDRO" Plaster Coat

What could be more convincing of the water-proofing qualities of "ANTI-HYDRO" than the fact that a plaster coat gauged with "ANTI-HYDRO" and water permanently water-proofed the huge concrete reservoir in this building? A smaller concrete reserve tank under this same building is also waterproofed with "ANTI-HYDRO."

"ANTI-HYDRO" is easy and economical to use. It both hardens and waterproofs concrete in *one operation*. Being a liquid integral agent, it mixes readily with the gauging water without the aid of skilled labor, and insures uniformly hard and waterproof concrete, through and through. Satisfaction *guaranteed*.

Twenty-three years of continuous use have established the permanency of "ANTI-HYDRO" results. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY
265 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 30
July 27, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

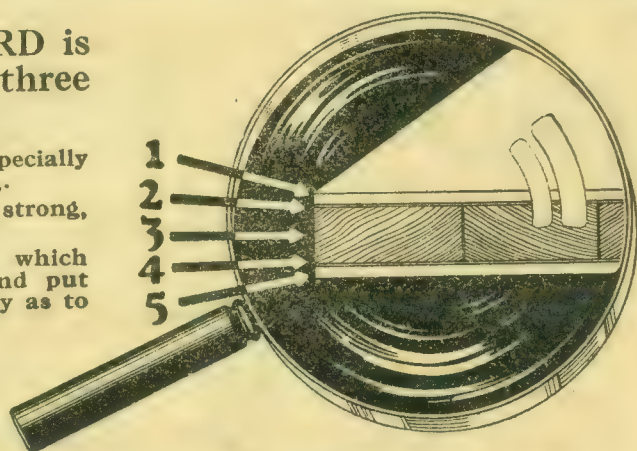
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

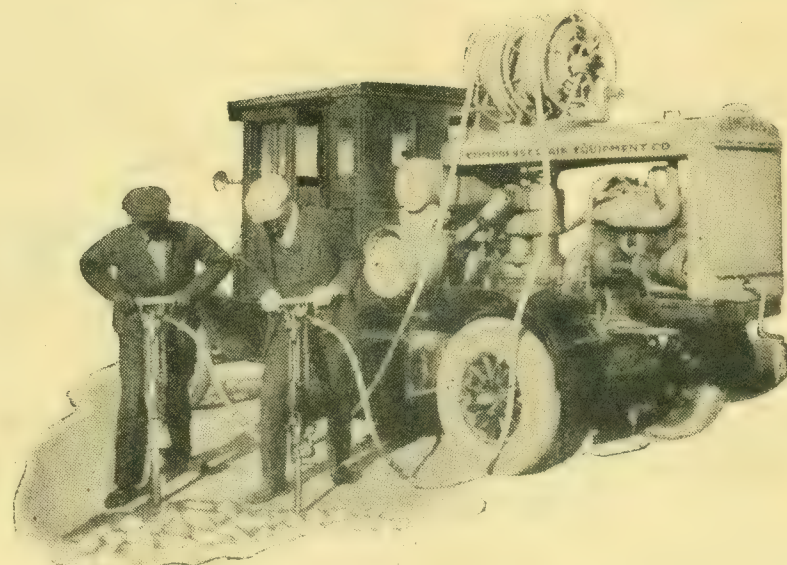
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Diaston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

FABRICATED STEEL IRON BARS

RICHARD DeCOU CO.

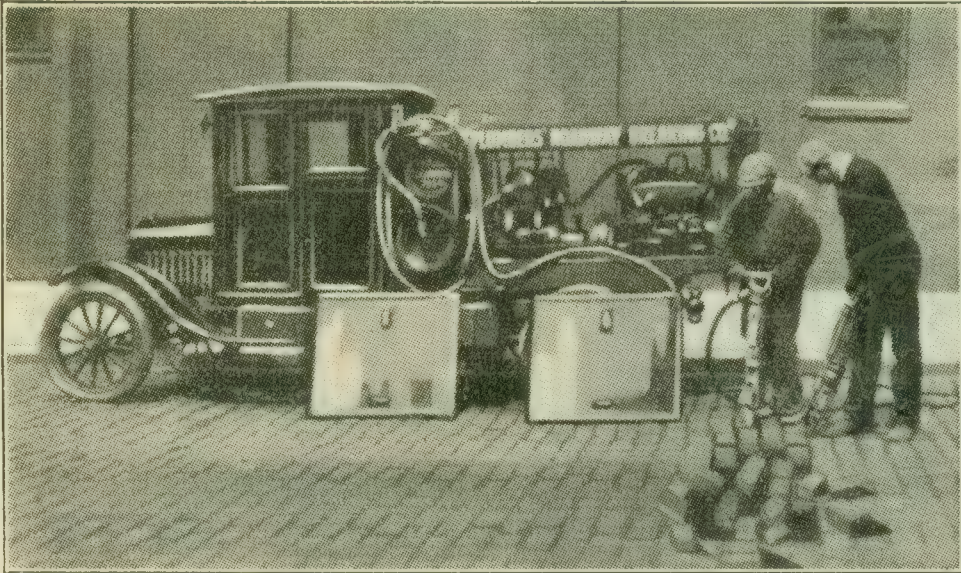
Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

**Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries**

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc. REAL BRICK

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY

OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

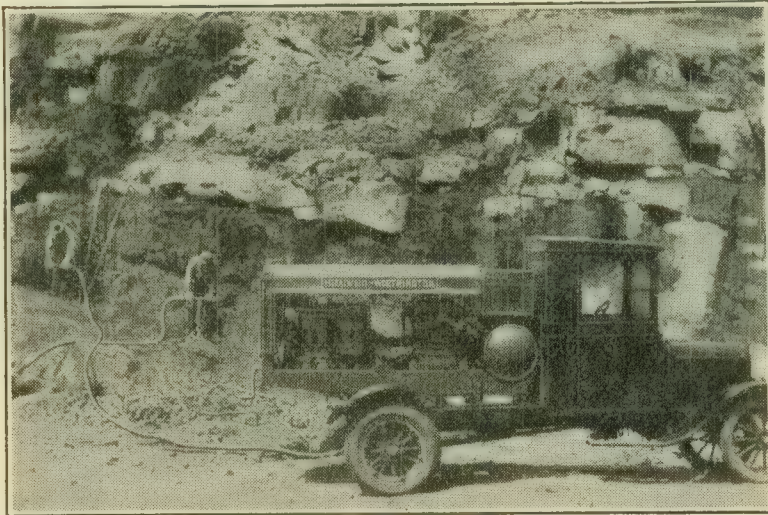
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

PHILADELPHIA FIRE AND MARINE INSURANCE COMPANY

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 30

PHILADELPHIA
July 27, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Hospital, Northwest Corner Conshohocken and Windemere avenues, \$600,000. Architect, R. Beneker, Bellvue Court Building, Philadelphia. Owners, Childrens Heart Hospital, care of architect. Size of lot 663x796 feet. Plans in progress for first wing to cost approximately \$125,000.

Church, Sunday School and Parish House, Ridge and Gorgas avenues. Architect, C. W. Masland, 428 Roxborough avenue, Philadelphia. Engineer, W. A. Toperzer, 4345 Lauriston street, Philadelphia. Owners, Epiphany Lutheran Church, Rev. H. A. Wacker, 4406 Dexter street. Stone, terra cotta. Preliminary plans in progress.

Residence and Garage, Roxborough, Philadelphia. Plans by A. Charles Strong, 515 North Fifty-fifth street, Philadelphia. Owner, H. J. Cunningham, care of builder. Stone, 1 story, 31x29 feet, wing 22x11 feet, slate roof, hot water heat, electric light, tile work, hardwood floors, leaded glass. Plans in progress. A. Chas. Strong, 515 N. 55th St., Phila., will take sub-bids.

Residences (2 pair, semi-detached), Roxborough, Pa. Plans by A. Charles Strong, 515 North Fifty-fifth street, Philadelphia. Owner, name withheld. Brick, frame, 1½ stories, 18x36 feet, basement garage, hot water heat, electric light, tile work, metal lath, slate or tile roof, hardwood and cement floors. Plans in progress.

Theatre, Store and Garage, Eighth and South streets, Philadelphia. Architects,

Hodgens & Hill, 130 South Fifteenth street, Philadelphia. Owners, Remy Theatre Co., care of architect. Revised plans in progress.

Hotel, East side of Fifteenth street, South of Cherry street, Philadelphia, \$1,200,000. Architect, Louis E. Jallardi, 15 East Forty-second street, New York City. Owners, Young Men's Christian Association, E. H. Bonsalt, 1425 Arch street. Brick, steel, 27 stories and basement, 110x85 feet, slag roof, cement and oak floors, elevators, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Plans nearly completed.

Factory, Reed street, between Thirty-third and Thirty-fourth street, Philadelphia. Architect, private plans. Owners, John G. Lorenz Corp., 1011 Chestnut street, Philadelphia. Brick, steel, 1 story. Plans in progress.

Apartment Building, 5220 Wayne avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, J. Edward R. Fox, Emlen and Lincoln Drive, Philadelphia. Brick, structural steel, stone face, 4 stories and basement, 117x175 feet, slag roof, hardwood floors, 2 elevators, 2 incinerators, 4 oil burners, electric light, tile and marble work. Plans in progress. Owner and architect will be ready for bids in one week.

Sales and Service Building, Seville and Ridge avenues, Philadelphia. Architect, C. W. Masland, 428 Roxborough avenue, Philadelphia. Engineer, W. A. Toperzer, 4345 Lauris-

ton street, Philadelphia. Owners, Schofield Motor Co., 5544 Ridge avenue, Philadelphia. Brick, steel, 1 story, 35x160 feet, slag roof, steam heat, concrete, terra cotta, face brick, craftex, cement brick, metal skylights and bulks. Plans in progress. Architect will be ready for bids in one week.

Office Building (add.), 225 South Sydenham street, Philadelphia. Architect, E. A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Charles Kahn, Morris Building, Philadelphia. Brick, limestone, steel, 2 stories and basement, 20x75 feet. Architect will be ready for bids in a few days.

Apartment House (40 apartments), Northwest Corner Tenth and Clinton streets. Architect, private plans. Owner, Harry Pearl, 625 South Sixty-third street, Philadelphia. Brick, cast stone, steel, 4 stories and basement, 118x40 feet, slag roof, oak and linoleum floors, automatic elevator, metal weather stripping, metal ceilings, cast stone, incinerator, oil burners, electric light, metal lath, tile and marble work, rolled steel skylights, fire doors, ornamental iron work, area gratings. Owner ready for sub-bids.

Office Building, 204-12 South Seventeenth street, Philadelphia. Architect, R. B. Beneker, Bellvue Court Building, Philadelphia. Owners, N. W. Ayers & Son, 308 Chestnut street, Philadelphia. Brick, stone, steel, 9 stories, 115x103 feet, limestone. Ready for bids in one month.

Church and School Building, Third and

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

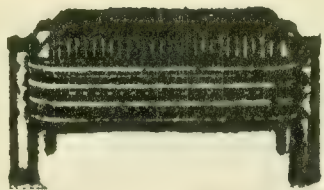
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR

**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Champlott streets, Philadelphia. Associate architects, Theraif Sundt, Bruce Wenner, W. H. Stewart, 1701 Arch street, Philadelphia. Owners, Grace Evangelical Church, on premises. Stone, cast stone, steel, 2½ stories, basement and mezzanine, 68x73 feet (plumbing, heating, electric, kitchen equipment reserved), asbestos built-up roof, slate roof, pine, cement and gum roof, metal lath, rolled steel sash, bond, ornamental iron work, area gratings, flagstone, composition floors, leaded glass, metal partitions. Architects taking bids due July 28th.

Garage and Alterations to Building, 27-31 South Fourth street, Philadelphia. Architect, E. A. Roth, Drexel Building, Philadelphia. Owners, A. & L. Winegrad, on premises. Reinforced concrete, brick, steel, 2 stories and basement, 126x50 feet, asphalt built-up roof, cement floors, wrought iron pipe, rolled steel doors and sash, terrazzo work, electric light, steam heat, cast stone, plumbing. Architect taking bids due July 28th.

Residence (alts.), Northeast Corner Green Lane and Smick street, Roxborough, Pa. Architect, private plans. Owners, Manaiung Tribe, No. 118, I. O. O. R., on premises. Steel, plastering, metal ceilings, hot water heat alterations, maple floors, slag roof, general interior alterations, fire tower, ornamental iron stairs. Owners taking bids due August 1st.

High School (add.), Girard avenue and Corinthian avenue. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Girard College, on premises. Carpentry and mill work, brick work, concrete, excavation. Engineers taking bids due August 3rd.

Theatre, 2806-20 North Fifth street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Messrs. Fineman & Seltzer, care of architect. Brick, stone, steel, limestone, 1 story and basement, 139x101 feet, asbestos roof, cement floors, plumbing, waterproofing, wall finish, ornamental iron work, steel pipe, steel toilet partitions, tile, marble and terrazzo work, electric light, oil burner, hot air heat, tin-clad doors, bond. Architects taking bids due July 30th.

Show Room, Twelfth and Spring Garden streets, Philadelphia. Architect, private plans. Owners, Finney & Son, on premises. Brick, 1 story, 50x50 feet, cement floors, slag roof, gas radiation heat, electric light, rolled steel sash, fire doors, bonds, ornamental iron work, plumbing, dampproofing, architectural terra cotta, wall finish. Owners taking bids as soon as possible.

Fraternity Building, 3745 Locust street, Philadelphia. Architect, Alexander Mackie

Adams, 1012 Walnut street, Philadelphia. Owners, Alpha Epsilon Pi Fraternity, 3427 Walnut street, Philadelphia. Brick, cut stone, 3 stories and basement, 23x89 feet, slate roof, pine and oak floors, tile and marble work, bond, dumb waiter. Architect taking bids due August 1st, 10 A. M.

Residences (8), North side Penn street, East of Baynton street, Philadelphia, \$32,000. Architect, private plans. Owner, C. H. Greenwood, 4940 North Broad street, Philadelphia. Brick, 2 stories, 15x26 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence and Store (add. and alts.) and Garage, 202 East Haines street, \$18,000. Architect, private plans. Owner, Patsy Mutarville, 217 East Price street, Philadelphia. Brick, 3 stories add., 30x29 feet, general alterations, garage, brick, 1 story, 34x70 feet 6 inches. Permit issued.

Show Room and Service Station, Southeast Corner Frankford avenue and Howard street, Philadelphia, \$25,000. Owner, N. H. Rochelle, Mascher street at Wellens avenue, Philadelphia. Brick, 2 stories, 45x92 feet, cement floors, slag roof, electric light. Permit issued.

Residences (19), North side Robbins avenue, East of Brons avenue, Philadelphia, \$87,000. Architect, private plans. Owners, Caplin & Forman, 6122 Media street, Philadelphia. Brick, 2 stories, 15x27 feet, 11x12 feet, slag roof, pine floors, electric light. Permit issued.

Residences (8), West side Somers road, South of Wooster road, Philadelphia, \$34,200. Architect, private plans. Owner, J. N. Neeld, Somers and Wooster roads, Philadelphia. Brick, 2 stories, 16x38 feet, 11x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, 4910 North Sixth street, Philadelphia, \$2,000. Architect, private plans. Owner, F. Hammerling, 4936 North Laurence street, Philadelphia. Brick, 1 story, 18x30 feet, slag roof, cement floors. Permit issued.

Garage (add.), 301 Glen Echo road, Philadelphia, \$2,000. Architect, private plans. Owner, Ceditio Bonitatibus, 300 West Mt. Pleasant road, Philadelphia. Brick, 1 story add., 11x10 feet, slag roof, cement floors. Permit issued.

Residences (28), West side Roosevelt Boulevard, North of Comly street, Philadelphia, \$141,000. Architect, private plans. Owner, George Edel, Comly and Boulevard, Philadelphia. Brick, 2 stories, 20x33 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

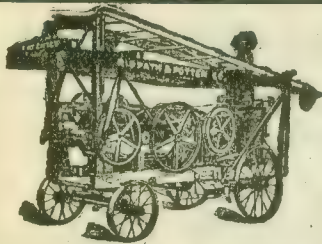
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

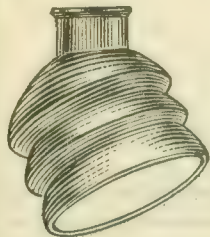


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Residence and Store (add.), 4509 Frankford avenue, Philadelphia, \$3,000. Architect, Samuel D. Milnor, 4616 Frankford avenue, Philadelphia. Owners, Misses Markle, on premises. Brick, 1 story add., 15x12 feet. Permit issued.

Residences (10), North side Comly street, East of Mulberry street, Philadelphia, \$65,000. Architect, private plans. Owner, L. W. Goodman, 106 Forrest avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Office (alts.), Southeast Corner Seventeenth and Arch streets, Philadelphia, \$20,000. Owners, Philadelphia Rapid Transit Co., Broad and Locust streets, Philadelphia. General alterations. Permit issued.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due July 28th, 11 A. M. (Standard Time). Certified check, 5 per cent. No. 890, improving the Queen Lane Filter Station. No. 891, engine room floor, Torresdale Pumping Station.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due August 2nd at noon (Standard Time). No. 91, structural steel for bridges. No. 91, gauge rods, crossings and turnouts. No. 92, print bars. No. 93, fence posts.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due August 4th, noon (Standard Time). No. 94, frogs, switches, switch points. No. 95, guard rails. No. 96, paint.

Contract L109, South Broad Subway, Kater street to South Penn Square. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: Heyman & Goodman Co., 236 West One Hundred and Sixteenth street, New York, \$7,269,800; Patrick McGovern, 3427 North Broad street, Philadelphia, \$7,958,880.

Underground Coal Storage Vault, Girard and Corinthian avenues. Engineers, Day & Zimmerman, 1600 Walnut street. Owner, Girard College, Girard and Corinthian aves., Phila. Excavation, concrete work, miscellaneous work, plumbing. Engineers taking sub-bids due Aug. 3d.

Dining and Service Building, Girard and Corinthian avenues, Phila. Engineers, Day & Zimmerman, 1600 Walnut street, Phila. Owner, Girard College, Girard and Corinthian avenues, Phila. Excavation, grading, concrete and asphalt roofing, exterior marble, carpentry and millwork, miscellaneous iron work, plumbing, electric work, hardware, painting,

glazing. Engineers taking sub-bids due Aug. 2d.

Miscellaneous Paving, Phila. Owner, Dept. of Public Works, Bureau of Highways, Phila. Wagner to Clarkson streets, United Paving Co., Widener Bldg., \$67,837; Venango to Butler street, Eastern Asphalt Co., 1600 Arch street, \$88,284.

Garage, E. side 43rd street, S. of Walnut street, Phila., \$80,000. Owner, I. W. Massey, 5311 Thomas avenue, Phila. Brick, 1 story, 100x190 feet, slag roof, cement floors. Permit issued.

Service Station, N. W. Cor. Adams and Wyoming avenues, \$10,000. Owners, Gulf Refining Co., 1515 Locust street, Phila. Brick, 1 story, 12x18 feet, slag roof, cement floors. Permit issued.

Residence, (alts and add.), 32 Summit Ave., Chestnut Hill. Architects, Willing, Sims & Talbutt, 126 S. 18th street, Phila. Owner, Samuel A. Crozier, care of Stroud & Son, Inc., 1429 Walnut street. General interior alterations, carpentry and millwork, plastering, painting, glazing. Architects taking bids due July 29th.

Factory, 417-25 N. 8th street, Phila. Architects, The Ballinger Co., 12th and Chestnut streets, Phila. Owners, Brown & Bailey, 410 Franklin street, Phila. (Mr. H. T. Brown). Reinforced concrete, brick, steel, 3 stories and basement, 131 x 90 feet, slag roof, cement floors, hollow tile, safety treads, waterproofing (elevator, plumbing, heating, electric reserved), rolled steel sash, iron work, area gratings, hollow metal partitions, steel partitions, rolling steel shutters, Bloxomend floors, steel tank. Architects taking bids due Aug. 2d, 11 A. M.

Administration Building, S. E. Cor. Broad and Grange streets, Phila. Architect, private plans. Owner, Dept. of City Transit, 1211 Chestnut street, Phila. Low bidder: Plumbing, Bulman Bros., 5th and Cumberland streets, Phila., \$11,444. Heat: Fred Wackenhutt, 2416 Frankford avenue, Phila., \$9,775.

Branch Sewers, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Owner taking bids due Aug. 3d, 11 A. M. (S. T.). Certified check, 5%.

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—Making advertising pay.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Garage (4-car), Chestnut avenue and Towaunda street, Phila., \$3,000. Architect, Geo. S. Idell, 1510 Chestnut street, Phila. Owner, Irvin King, on premises. Stone, steel, 1 story, 30x36 feet, steam heat, concrete roof, cement floors, electric work, waterproofing, plumbing, millwork. Contract awarded to C. T. Clark, Germantown avenue and Sedgley street, Phila.

Alterations and Additions, 3731 Walnut street, Phila. Architects, Dreher & Churchman, Otis Bldg., Phila. Owners, Jerrihian Bros., 3731 Walnut street, Phila. Demolition, painting, glazing, electric work, steam heat, plumbing, tin clad doors, kalamein doors, vault doors, rolled steel doors, steel sash, plastering architectural terra cotta, waterproofing, slag roof, elevators and elevator doors, tile work, hardware, marble, carpentry and mill work, steel and iron work, concrete and cement work, brick work, cut stone. Contract awarded Nelson Pedley Const. Co., Corn Exc. Bldg., Phila.

School (alts. and add.), 4000 Pine street, Philadelphia. Architect, Roy F. Larson, 1304 Otis Building, Philadelphia. Owners, Miss Illman's School, for Kindergarten and Primary Teachers, on premises. Brick, stucco, 3 stories and basement, 29x48 feet, stone and brick work, structural steel, cement and concrete, carpentry and mill work, plastering, iron work, painting, glazing, electric work, limestone, composition roofing, area gratings, steel sash, steam heat, plumbing. Contract awarded W. J. Carlson, Schaff Building, Philadelphia.

Store Building (alts.), 1211 North Fifty-second street, Philadelphia. Architect, private plans. Owner, Mrs. Bley, on premises. Excavation, stone foundations, concrete and cement work, carpentry and mill work, plastering, oil burner, painting, glazing, hot water heat, plumbing, electric work, tile and marble work. Contract awarded Frank Kaiser, 4816 Summerdale avenue, Philadelphia, who is taking sub-bids due as soon as possible.

Administration Building, Southeast Corner Broad and Grange streets, Philadelphia, \$180,000. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Brick, steel, limestone, granite, 2 stories and 2 basements, 112x128 feet, slag roof, cement floors, architectural terra cotta, marble work, rolled steel sash, bond, ornamental iron work. Contract awarded Nelson Pedley, Corn Exchange Building, Philadelphia.

Underpinning and Foundations for Hospital, Broad below Vine street. Architect, H. Hall Marshall, 37 West Forty-third street, New York. Owners, Hahnemann Hospital, W. E. Herring, president, on premises. Reinforced concrete work. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Building (alts.), Southeast Corner Seventeenth and Walnut streets, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street,

Philadelphia. Owner, name withheld. Brick, concrete, cast stone, steel, 2 stories and basement, 20x96 feet, slag roof, allowance for oil burner and lights, metal lath, marble and terrazzo work, rolled steel sash, bond, ornamental iron work. Contract awarded Conneen Const. Co., 2315 Walnut street, Philadelphia.

Store Building (alts.), 931 Market street, Philadelphia. Architect, Harold Holmes, Construction Department, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Concrete, cement, carpentry, mill work, steel work, painting, glazing, metal lath, electric light. Contract awarded Fred Elvidge & Son, 5522 Germantown avenue.

Reinforced Floors, 26 North Delaware avenue and 27 North Water street, Philadelphia. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Estate of Stephen Girard, 1211 Chestnut street, Philadelphia. Concrete and cement, brick, steel, lumber, painting, miscellaneous iron. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Church, Cottman and Algon streets, Philadelphia. Architect, Horace Castor, Stephen Girard Building, Philadelphia. Owners, Fourth United Brethren Church, on premises. Frame, 1 story, 24x60 feet, gas radiation heat, electric light, shingle roof, pine floors. Contract awarded Alfred V. Gilchrist, Drexel Building, Philadelphia.

Residence, 618 South Eighteenth street, Philadelphia, \$6,500. Architect, private plans. Owner, Louis Flak, 618 South Eighteenth street, Philadelphia. Brick, 3 stories, 17x28 feet, slag roof, electric light. Contract awarded to James Branchine, 1924 South Thirteenth street, Philadelphia.

Residence (add. and alts.), 1715 South Sixth street, Philadelphia, \$4,200. Architect, private plans. Owner, Jacob Bernstein, Sixth and Watkins streets, Philadelphia. Brick, 2 stories add., 16x11 feet, general alterations. Contract awarded to M. Glasfelder, 529 Morris street, Philadelphia.

Store and Residence (alts.), 2735 West Girard avenue, Philadelphia, \$2,000. Architect, private plans. Owner, David Geer, on premises. General alterations. Contract awarded to Basch & Co., Ruan and Tackawanna streets, Philadelphia.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

Hood Tile Is Good Tile

ROOFING TILE AND QUARRIES

PHILADELPHIA ELECTRIC CO.

AND

DREXEL & CO.

INSTALLS ON THE ROOF OF THEIR NEW BUILDINGS

HOOD'S PYRO-TYNT

PROMENADE TILE

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.

PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY

B. MIFFLIN HOOD BRICK CO
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

CASUALTY
FIRE
INSURANCE

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

SURETY
BONDS

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters
for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric s



Write for our descriptive literature &
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

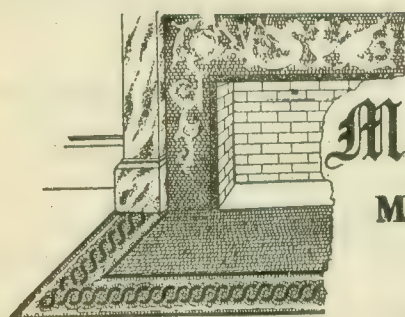
THERE IS ONLY ONE IN-A-D
"THE MURPHY"

DAILY BUILDING NEWS LEADS TO BUSINESS

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes

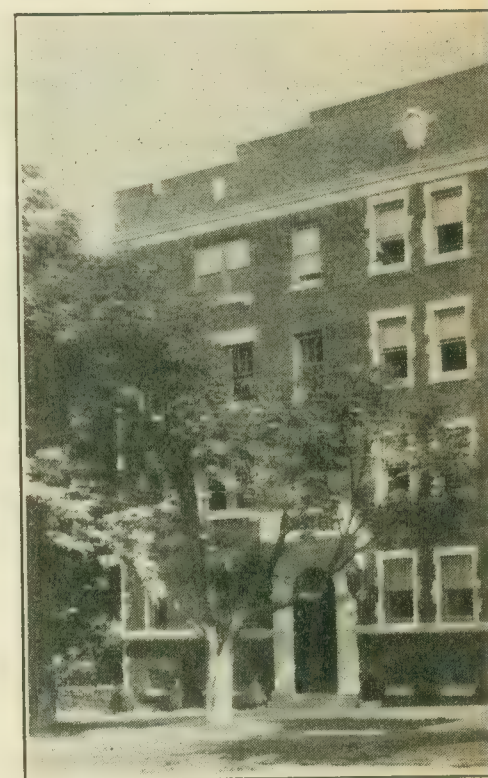
We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

For a Beautiful, Co
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hai
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

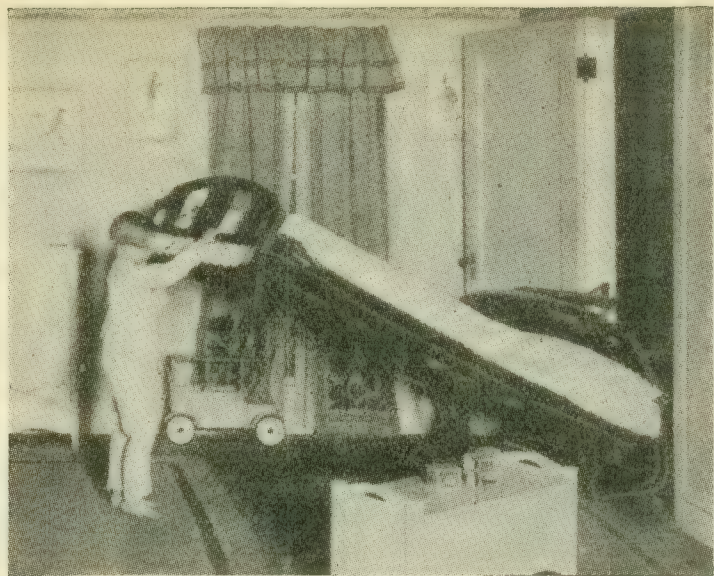
EDS

mes
ngs

call at our
in kitchen
boards as
eds

CO.

Building
44th Street
York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX

faces

ks are beginning to show,
Truscon STONETEX.

d the concrete is spalling
opped by the application

it prevent moisture
so covers the surface
s flat. It does not
masonry.



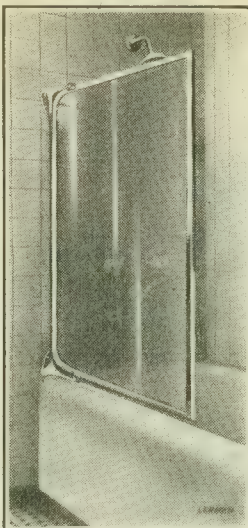
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Theatre (alts.), 4715-19 Frankford avenue, Philadelphia, \$12,800. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, William Freihofer, Twentieth

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

**PILES, FOUNDATIONS
CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

EXPERT BLASTING
J. H. HARDING
10 N. 2d St. Camden, N. J.
Bell Telephone : Camden 5994 W

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165
Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

and Indiana avenue, Philadelphia. General alterations, cement floors. Contract awarded to Philip Haibach Cont. Co., 1261 North Twenty-sixth street.

Storage Bins, Southeast Corner Bodine and Montgomery avenue, Philadelphia, \$15,000. Architect, private plans. Owner, M. Orlovitz, on premises. Contract awarded to Fanning-Schuett Eng. Co., 4325-39 North Third street.

Residence, North side Brewster avenue, East of Eighty-fourth street, Philadelphia, \$7,000. Architect, private plans. Owner, Fannie Osowsky, 3616 South Eighty-fourth street, Philadelphia. Brick, 3 stories, 17x54 feet, electric light, hardwood and pine floors. Contract awarded to Frank Zolotuchin, Blackwood, N. J.

Residence (add. and alts.), 158 West Penn street, Philadelphia, \$3,500. Architect, private plans. Owner, Walter Johnson, on premises. Brick, 1 story add., 6x13 feet, general alterations. Contract awarded to Stokes Brothers, 6723 Musgrave street, Philadelphia.

Residence (alts.), 630 South Forty-eighth street, Philadelphia, \$2,000. Architect, private plans. Owner, J. Gerhart, 4820 Warrington avenue, Philadelphia. General alterations. Contract awarded to H. Bragin, 4237 Ogden street, Philadelphia.

Residences (2), South side Laycock avenue, East of Eighty-sixth street, \$9,000. Architect, private plans. Owner, George B. Young, 8606 Laycock avenue, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, pine floors, electric work. Contract awarded to Revello Brothers, 231 Jansen street, Philadelphia.

Factory (alts.), Randolph and Jefferson streets, Philadelphia, \$5,000. Architect, private plans. Owners, Consolidated Cigar Co., 734 Fifth avenue, New York. General alterations. Contract awarded to Seymour-Schampan Co., 147 West Forty-second street, New York.

Residence, Southeast Corner Glen and Academy road, Philadelphia, \$5,000. Architect, private plans. Owner, A. W. Carney, 5146 Frankford avenue, Philadelphia. Brick, 2 stories, 27x24 feet, electric light, pine floors. Contract awarded to William Yorston, Andalusia, Pa.

Residence (add.), 1016 South Twentieth street, Philadelphia, \$2,800. Architect, private plans. Owner, Stephen A. Paddon, 1016 South Twentieth street, Philadelphia. Brick, 3 stories add., 10x12 feet. Contract awarded to L. R. Townsend, 2024 South Fifty-ninth street, Philadelphia.

Manufacturing Building, West side Richmond street, North of Kennedy street, Philadelphia, \$15,000. Owners, Charles Lennig & Co., on premises. Brick, 2 stories, 47 feet 10

inches x 48 feet 11 inches. Contract awarded to Rempf & Kohlmeyer, 3543 Germantown avenue, Philadelphia.

Warehouse, 311-13-15 North Tenth street, Philadelphia, \$10,000. Architect, private plans. Owner, James A. Humphreys, 1021 Callowhill street, Philadelphia. Brick, 1 story, 56x66 feet, 49x36 feet. Contract awarded to Charles R. Davis & Son, 4729 Ludlow street, Philadelphia.

Residence and Store (alts.), Northwest Corner Thirty-second and Diamond streets, Philadelphia, \$4,450. Architect, private plans. Owner, I. O. Goldstein, 901 Butler street, Philadelphia. General alterations. Contract awarded to A. S. Shafer, 4651 Walnut street, Philadelphia.

Store (alts.), Northeast Corner Ninth and Filbert streets, Philadelphia, \$3,800. Architect, private plans. Owner, Arnold Schwor, Berks and Mascher streets, Philadelphia. General alterations. Contract awarded to L. L. Miller, 1218 Real Estate Trust Building, Philadelphia.

Storage (add. and alts.), 305-07 Sigel street, Philadelphia, \$3,500. Architect, private plans. Owners, D. J. & E. McCann, 307 Sigel street, Philadelphia. Brick, 2 stories add., 11x13 feet, general alterations. Contract awarded to Harry Goldberg, 5202 Arlington street, Philadelphia.

Residence (add. and alts.), 916 South Twenty-second street, Philadelphia, \$2,500. Architect, private plans. Owner, John St. Clair, 1018 South Seventeenth street, Philadelphia. Brick, 1 story add., 12x11 feet, general alterations. Contract awarded to S. D. Brown, 919 South Seventeenth street, Philadelphia.

Residences (5), East side Eightieth street, North of Brunswick street, Philadelphia. Architect, private plans. Owner, Leo C. Murray, 1606 Locust street, Philadelphia. Brick, 2 stories, 16x26 feet, 12x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Caesar Branchi, 7519 Dicks avenue, Philadelphia.

Manufacturing Building (new tank), 229 Arch street, Philadelphia, \$9,950. Owners, Berger Brothers Co., 229 Arch street, Philadelphia. Contract awarded to Chicago Bridge & Iron Co., 30 Church street, New York.

Residences (2), South side Loney street, West of Verree road, \$8,000. Architect, private plans. Owner, Alva Bentley, Rhawn and Verree road, Philadelphia. Frame, 2 stories, 21x22 feet, pine floors, hot water heat, electric light. Contract awarded Smith & Hallstrom, 7959 Oxford avenue, Philadelphia.

Apartment House (alts.), 1520 Spruce street, Philadelphia, \$4,000. Architect, private plans. Owners, Touraine Hotel, on premises. General alterations. Contract awarded to Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Wagon Shed, West side Markoe street, South of Brown street, Philadelphia, \$3,600. Architect, private plans. Owner, Luke Cannon, 759 Markoe street, Philadelphia. Brick, 1 story, 20x110 feet. Contract awarded to Thomas J. Hamilton, 4201 Aspen street, Philadelphia.

Don't be discouraged if you make an occasional mistake; if men didn't there wouldn't need to be any claw on a hammer.

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Pennsylvania Construction News

High School, near Reading, Pa. Architects, Ritcher & Eiler, 147 N. 5th street, Reading, Pa. Owners, Muhlenberg Township School District, Muhlenberg, Reading, Pa. Owners taking bids due August 28th.

Apartment Houses (2), Bala-Cynwyd, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owner, John R. K. Scott, Lincoln Building, Philadelphia. Brick, steel, cut stone, slag roof, oak and pine floors, steam heat, electric light, tile work, iron work. Plans in progress.

School (add.), Leiper street, Ninth to Tenth, Eddystone, Pa. Architects, Mackenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Board of Education, Eddystone, Pa. Plans nearly completed. Ready for bids about August 1st.

Church (alts. and add.), Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, Lutheran Church, East Main avenue, Scranton, Pa. Sketches in progress.

Hall, Stowe, Montgomery County, Pa. Architect, A. S. Kepner, 121 North Hanover street, Pottstown, Pa. Owners, West End Fire Co., Stowe, Montgomery County, Pa. Brick, steel, 1 story, 60x70 feet, slag roof. Plans in progress.

Factory, Pottstown, Pa. Architect, A. S. Kepner, 121 North Hanover street, Pottstown, Pa. Owners, Vaughan Knitting Co., Washington and Laurel streets, Pottstown, Pa. Brick, steel, 2 stories and basement, 60x120 feet, slag roof, steam heat, steel sash. Plans in progress.

Stores (3), Offices (12), Lansdale, Pa. Architects, Franklin & Conner, Otis Building, Philadelphia. Owner, name withheld. Brick, 2 stories and basement, 60x100 feet. Plans in progress.

Amusement Hall, Plymouth, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Polish Alliance of America, care of architect. Steel, brick, 3 stories, 63x129 feet, built-up roof, hardwood floors, hollow tile, steam heat, electric light, metal lath, tile work, terrazzo, steel sash, kalamein doors, bond, iron stairs, ornamental iron. Revised plans in progress.

Bridge and Drainage, Easton road, between Mt. Carmel and Glenside avenues, Glenside, Pa. Engineer, R. J. Lawrence, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Plans about completed. Owners ready for bids in a few days.

Bank, Simpson, Pa. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Simpson State Bank, care of Mr. Norton, Simpson, Pa. Stone, 1 story, 36x60 feet, slate roof, linoleum, marble floors, megal window guards, bronze, ornamental iron, casement windows, bank fixtures, steel skylights, tile and marble, steam heat, electric light. Architect will be ready for bids in one week.

School No. 42 (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Scranton School Board, 425 North Washington avenue, Scranton, Pa. Brick, steel, 2 stories, 8 rooms,

built-up roof, maple floors, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors (heating, plumbing and electric separate). Owners will be ready for bids in two weeks.

School, Penn avenue, Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, St. Paul's Roman Catholic Church, Rev. J. V. Hussie, 1510 Penn avenue, Scranton, Pa. Brick, cinder block, 3 stories, 93x137 feet, Barrett roof, composition floors, safety treads, roof ventilators, waterproofing and dampproofing, ornamental iron, iron stairs, bond, skylights (heating, plumbing, electric separate). Owners taking bids.

Store and Apartment, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, John Nacey, 7254 Paschall avenue, Philadelphia. Brick, stone, cast stone, steel, 3 stories and basement, 20x60 feet, electric light, metal lath, tile work, hot water heat (roofing reserved), oak, pine and maple floors, plumbing, ornamental iron work, iron pipe. Owner will build and will sub-let.

Store and Apartment, Forty Fort, Pa. Architect, T. H. Atherton, Coal Exchange Building, Wilkes-Barre, Pa. Owner, W. J. Stroh, 1282 Wyoming avenue, Forty Fort, Pa. Concrete block, brick, steel, 2 stories, 32x80 feet, slag roof, hardwood floors, electric light, tile work. Architect ready for bids.

Public Garage, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Henry Shapiro, 600 South Main street, Wilkes-Barre, Pa. Brick, structural steel, 1 story, 50x150 feet, slag roof, concrete floors, steam heat, electric light, steel sash, fire doors. Architect ready for bids.

Display Room, Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Harry Rutstein, 264 East South street, Wilkes-Barre, Pa. Brick, steel, 1 story, 22x45 feet, slag roof, concrete floors, electric work, plate glass. Owner ready for bids.

Residence and (2) Garages, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Joseph Portman, Allentown, Pa. Brick, 2½ stories, 23x34 feet, 10x20 feet, slag roof, hardwood and concrete floors, hot water heat, electric light, tile work, casement windows. Owner will take general bids.

Apartment, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, George Schlegel, 274 East Ham-

ilton street, Allentown, Pa. Brick, steel, 4 stories, 23x110 feet, slag roof, hardwood floors, steam heat and marble, electric work, metal sash, fire doors, iron stairs, casement, ornamental iron work. Owner taking sub-bids.

Garage and Warehouse, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Lehigh Candy Co., Mr. Klecht, 324 North Seventh street, Allentown, Pa. Brick, steel, 2 stories and basement, 30x50 feet, slag roof, concrete floors, metal lath, steel sash, waterproofing and dampproofing. Owners taking sub-bids.

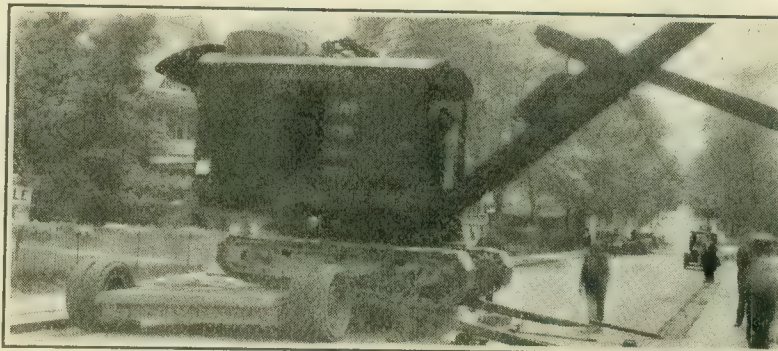
Residence and Garage, Elm avenue and Cedar street, Swarthmore, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owner, W. Burton Richards, Swarthmore, Pa. Stone, steel, cut stone, 2½ stories and basement, 76x30 feet, variegated slate roof, oak, pine and cement floors, plumbing, dampproofing, flagstone, casement windows, ornamental iron work, iron pipe, cinder concrete block, celotex, linoleum floors, vapor heat, electric light, metal lath, tile, marble work, rolled steel sash, bond. Architects taking bids due July 28th.

Power House, Carbondale, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hos-

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

The Seal-A-Void Co.
WATERPROOFING ENGINEERS
Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO
PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

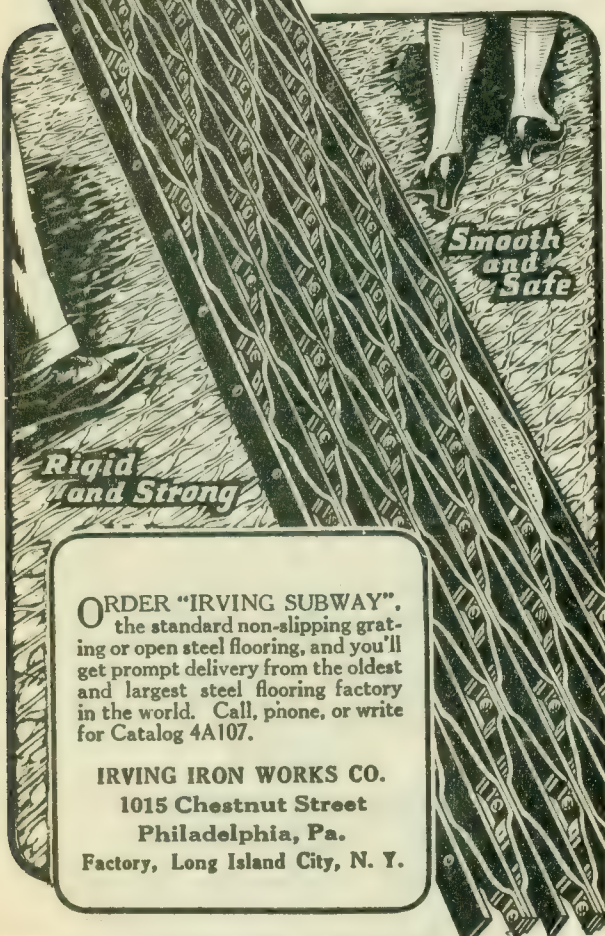
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY",
the standard non-slipping grat-
ing or open steel flooring, and you'll
get prompt delivery from the oldest
and largest steel flooring factory
in the world. Call, phone, or write
for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

pital, E. J. Healy, 15 North Main street, Car-
bondale, Pa. Brick, concrete, steel, 1 story,
45x50 feet, concrete floors. Architect taking
bids due August 3rd.

Residence, Ardmore, Pa., \$60,000. Archi-
tect, Grosvenor Atterbury, 139 East Fifty-
third street, New York. Owner, Charles P.
Lineaweaver, Bank of North America Trust,
Philadelphia. Stone, frame, 2½ stories,
120x60 feet, shingle or slate roof, hardware
floors, electric light, tile work, steel case-
ment. Architect taking bids due August 1st.

Residence, Meadowbrook, Pa. Architect,
C. A. Ziegler, 1012 Walnut street, Philadel-
phia. Owner, John Norris Child, care of ar-
chitect. Stone, cut stone, limestone, 2½ sto-
ries and basement, 200x23 feet, irregular,
Mohawk slate roof, oak and pine and cement
floors, hot water heat, electric light, metal
lath, tile work, bond, flagstone. Architect
taking bids due July 28th.

Garage and Storage Building, Allentown,
Pa. Architect, private plans. Owners, Prince
Furniture Co., H. C. Block, 520 Hamilton
street, Allentown, Pa. Brick, concrete, 2 sto-
ries, 90x47 feet, Barrett roof, concrete floors,
elevators, electric work, steel sash, iron
stairs. Owners taking bids due as soon as
possible.

Stone, Glenside, Pa. Owners, School Dis-
trict of Cheltenham Township, B. Wunderle,
Cheltenham, Pa. Stripping, quarrying and
hauling stone. Owners taking bids due
August 8th at noon (Standard Time).

Hospital, Carbondale, Pa. Architect, J. A.
McGlynn, Simon Long Building, Wilkes-
Barre, Pa. Owners, St. Joseph's Hospital, E.
J. Healy, 15 North Main street, Carbondale,
Pa. Brick, concrete, steel, 5 stories, 42x200
feet, Barrett roof, concrete, linoleum and
terrazzo floors, hollow tile, elevators, dumb
waiters, safety treads, roof ventilators, wa-
terproofing and dampproofing, iron stairs,
bond, fire doors, steel sash, tile and marble,
metal lath, steam heat, electric light. Ar-
chitect taking bids due August 3rd.

Residence, Jenkintown, Pa. Architect,
Clarence B. Dills, 1534 Nedro avenue, Phila-
delphia. Owners, William Semisch, Inc., In-
tegrity Trust Co., 717 Chestnut street, Phila-
delphia. Brick, 2½ stories and basement,
70x40 feet, slate roof, oak and pine floors,
hot water heat, electric light, metal lath, tile
work, bond. Architect taking bids due July
29th.

School Work, Prospect Park Township, Pa.
Owners, School District of Prospect Park, J.
Leslie Galloway, Prospect Park, Pa. Wall
and fence erected around Lincoln School,
Eighth and Lincoln avenue, Moore, Pa.
Fence, Washington School, Washington ave-
nue, Moore, Pa. Owners taking bids due
August 12th, 1 P. M.

Terra Cotta Sewer and Appurtenances,
Chester, Pa. Owners, City of Chester, G. J.
Hunter, Chester, Pa. Bond, 50 per cent. De-
posit, \$2. Certified check, \$100. Owners tak-
ing bids due August 2nd, 2 P. M. (Daylight
Saving Time). Copy of advertisement must
accompany bid. 685 lineal feet 8-inch terra
cotta sewer.

Paving, Darby Township, Pa. Engineer, A.
H. Yocum, 865 Main street, Darby, Pa. Own-
ers, Borough of Darby, Darby, Pa. Owners
taking bids due August 4th, 9 P. M.

Bridges (2), Delaware County, Pa. En-
gineer, County Engineer, Media, Pa. Own-
ers, Delaware County, G. T. Wades, Con-
troller, Media, Pa. L221, Worrell Bridge,
over Darby Creek, low bidders: Suburban
Const. Co., Ardmore, Pa., \$4,540.88; Knox
Mariana, Ardmore, Pa., \$5,921. No. 142,
Bridge (Mulford's), over Machinapatus
Creek. Awarded to Dunleavy Brothers,
Coatesville, Pa., \$12,560.

Road Work, State of Pennsylvania. Low-
est bidders:

Washington County, R-2268, Sec. 7A, Elco
Borough, East Pike Run Township. One
course reinforced concrete. Mosteller & Vir-
gin, Wilkesburg, Pa., \$66,553.75.

Lancaster County, R-128, Lancaster, East
Hempfield and Manor Townships. One
course reinforced concrete. Union Paving
Co., Thirtieth and Locust streets, Philadel-
phia, \$84,636.03.

Montgomery County, R-146, Sec. 5, Potts-
town Borough, West Pottsgrove Township.
One course reinforced concrete, dual type.
McNichol Paving & Const. Co., 1932 Cherry
street, Philadelphia, \$71,588.19.

Bucks County, R-281, Falls Township. One
course reinforced concrete. Collins & Max-
well, Inc., Easton, Pa., \$66,980.05.

Jefferson County, R-357, A-3701-A, Ring-
gold Township. One course reinforced con-
crete. J. B. Troxler, Lewistown, Pa., \$13-
891.10.

Erie County, A-4709, Harbor Creek Town-
ship. One course reinforced concrete. Charles
H. Fry Const. Co., Erie, Pa., \$35,053.26.

Elk County, R-97, Ridgeway Borough.
Withdrawn by department.

Lancaster County, R-436, Penn and East
Hempfield Townships. One course reinforced
concrete. Swanger Packler Const. Co., Inc.,
Lancaster, Pa., \$78,256.27.

Clarion County, R-218, Sec. 2, Elk and
Beaver Townships, Edenburg Borough. One
course reinforced concrete. Joseph McCarty
Const. Co., Kaukauna, Wis., \$105,388.31.

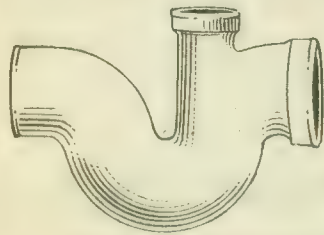
Berks County, R-146, Sec. 2, Mt. Penn
Borough. One course reinforced concrete.
William B. Sheidy, Wyomissing, Pa., \$20-
464.95.

Huntingdon County, A-4279, Wood Town-
ship. One course reinforced concrete. L. R.
Mathieu, Altoona, Pa., \$94,854.80.

Cumberland County, R-40, Carlisle Bor-
ough, North Middleton Township. One course
reinforced concrete. George I. Thompson
Co., Clearfield, Pa., \$54,729.08.

Centre County, R-57, Philipsburg Borough,
Rush Township. One course reinforced con-
crete. Milsom & Curtis Const. Co., Philips-
burg, Pa., \$42,171.62.

Luzerne County, A-3802, Black Creek
Township. Bituminous surface treater ma-
cadam surface course. B. G. Coon Const. Co.,
Luzerne, Pa., \$177,164.75.



**When you want Prompt Service, Intel-
ligent Co-operation and Reliable**

SEWER PIPE, FLUE LINING, WALL COPING

CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen

27th and Diamond Streets, Philadelphia

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Luzerne County, R-4, Sec. 6, Edwardsville, Larksville and Kingston Boroughs, viaduct. H. C. Kersteen Co., Kingston, Pa., \$290,-279.15.

Warren County, R-93, S-3, Pleasant and Broken Straw Townships. Grading and drainage. Charles H. Fry Const. Co., Erie, Pa., \$57,269.25.

Mercer County, R-312, Grove City Borough. Bituminous surface course. Allegheny Paving Co., Pittsburgh, Pa., \$13,772.800.

Bucks County, A-4583, Nockamixon Township. Bituminous surface treated macadam surface course. J. M. Hutchison, Altoona, Pa., \$58,566.45.

Indiana County, R-63, Rayne Township. Grading and drainage. Milliron Const. Co., Dubois, Pa., \$38,168.89.

Soldiers' and Sailors' Memorial Bridge, Harrisburg, Pa., Unit No. 2. Architects, S. Ross and William Gehron, 101 Park avenue, New York. Engineers, J. E. Greiner Co., Lexington Building, Baltimore, Md. Owners, Memorial Bridge of Soldiers and Sailors, S. B. Rambo, secretary, Harrisburg, Pa. Low bidders: James McGraw Co., Commercial Trust Building, Philadelphia, \$1,624,651; S. W. Shoemaker Co., Harrisburg, Pa., \$1,638,650.

Paving, Collingdale, Pa. Engineer, A. H. Yocum, 865 Main street, Darby, Pa. Owner, Borough of Collingdale, J. MacDonald, Collingdale, Pa. Furnish and lay bitulithic macadam street paving. Owner taking bids due Aug. 8th. (S. T.) 8.30 P. M.

Pennsylvania Contracts Awarded

Residence, (alts. and add.), near Cynwyd, Pa. Architect, Arthur H. Broekie, 254 S. 15th street, Phila. Owner, Edward C. Dale, 410 Chestnut street, Phila. tStone, 1 story and basement, 23x44 feet; 25x44 feet, slate roof, oak and pine floors, carpentry and millwork, plastering, painting and glazing, metal lath, tile work, ornamental iron work. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Phila.

Parish House, Collingdale, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Trinity Church, Collingdale, Pa. Reinforced concrete, stone, brick, steel, 1 story, basement and gallery, 87x43 feet, green slate roof, composition floors, plumbing, steam heat, electric light, metal lath, rolled steel sash, bond, ornamental iron work, wrought iron pipe. Contract awarded Bennett McLaughlin, 3434 Sansom street, Philadelphia.

Business Building (alts.), 312 Market street, Harrisburg, Pa. Architects, Construction Department, McCrory Co., 1107 Broadway, N. Y. Owners, J. J. McCrory Co., 1107 Broadway, N. Y. Brick, electric work, structural steel, iron work and stairs, metal window guards, bronze grills, rolled steel skylights, slag roof, metal ceilings, fire doors, marble, tile work, terrazzo work, floor hardener, granite, metal lath, plastering, painting, glazing, carpentry and mill work, steel toilet partitions. Contract awarded Kuhn, Smith & Harris, 461 Eighth avenue, New York.

Rectory and Convent (alts.), Glenolden,

Pa. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. George's Roman Catholic Church, Rev. G. E. Orr, Glenolden, Pa. Demolition, carpentry and mill work, electric work, hardware, steam heat, metal lath, plastering, metal ceilings, painting, glazing, plumbing, shingle roof. Contract awarded France & Missar, 6725 Yocum street, Philadelphia.

Residence (alts. and add.), Ogden and Swarthmore avenues, Swarthmore, Pa. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owner, W. Finley Downe, on premises. Stone, steel, 2 stories and basement, 16x28 feet, wing 12x40 feet, shingle roof, oak and pine floors, hot water heat, electric light, tile work, bond, ornamental iron work. Contract awarded A. V. Gilchrist, Drexel Building, Philadelphia.

Cottage, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, J. Smylie Herkness, Meadowbrook, Pa. Stone, hot water heat, electric light, tile work, slate roof, oak and pine floors, cement work, ornamental iron work. Contract awarded Roy Randall, Jenkintown, Pa.

Residence (alts.), Langhorne, Pa. Architect, A. B. Lacey, 1012 Walnut street, Philadelphia. Owner, G. F. Hardy, Jr., on premises. Frame, 2½ stories, general alterations. Contract awarded Mathew M. Buckley, South Langhorne, Pa.

Residence (alts. and add.), Glenside, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Charles H. Evoy, Glenside, Pa. Brick, limestone, 1 story, 17x23 feet (heating, electric reserved), tile floors, slag roof, maple, metal lath, plate glass. Contract awarded Roy Randall, Jenkintown, Pa.

Office Building, Morrisville, Pa. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Bucks County Contributionship, William Bishop, Morrisville, Pa. Stone, fireproof, 2 stories, 60x46 feet, slag roof, hardwood floors, hollow tile, tile work, metal lath (heating, plumbing, electric separate). Contract awarded to J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Residence (alts.), North Franklin street, Wilkes-Barre, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Miss Annie Turrell, 42 North Frank-

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

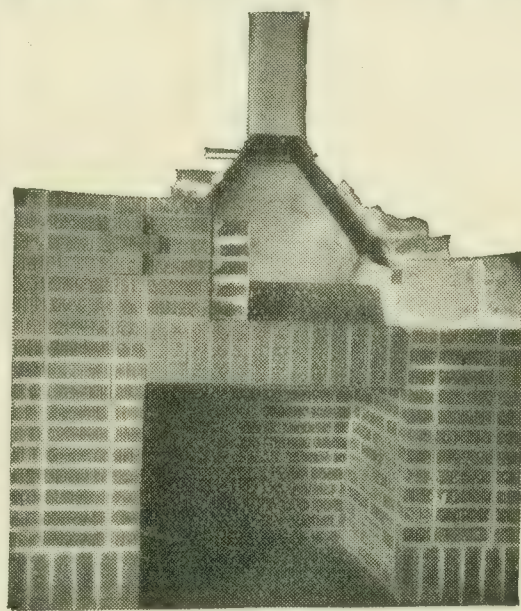
**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

lin street, Wilkes-Barre, Pa. Brick, 1 story add., slate roof, hardwood floors, general alterations. Contract awarded to W. G. Kear, 59 Gildersleeve street, Wilkes-Barre, Pa.

Bank, West Side, Scranton, Pa. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Electric City Bank, George L. Peck, president, 301 North Main avenue, Scranton, Pa. Brick, steel, limestone, 1½ stories, 27x100 feet, Barrett roof, metal window guards, electric light, metal lath, tile and marble, casement windows, ornamental iron. Contract awarded to William Perry, 314 Oakford Court, Scranton, Pa.

Church, Jefferson avenue, Scranton, Pa. Architects, E. H. Davis and George M. D. Lewis, Board of Trade Building, Scranton, Pa. Owners, St. John's Lutheran Church, care of architects. Steel, oak floors, hollow tile, general alterations. Contract awarded to S. Palumbo, Miller Building, Scranton, Pa.

Factory, Penn avenue, Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Anthracite Overall Mfg. Co., 340 Penn street, Scranton, Pa. Brick, steel, reinforced concrete, 2 stories, 120x109 feet, slag roof, concrete floors, elevators, roof ventilators, waterproofing and dampproofing. Contract awarded to Thomas Palmer, Miller Building, Scranton, Pa.

Garage, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Steckel Motor Co., Fairview and West streets, Allentown, Pa. Brick, steel, 1 story, 80x110 feet, concrete floors, roof ventilators, cast stone, floor hardener, steel sash, steam heat, electric light. Contract awarded to Ochs Const. Co., 440 Wire street, Allentown, Pa.

Prince Street School (add. and alts.), Lancaster, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, School Board of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Brick, steel, 2 stories, 40x70 feet, slate roof, maple and composition floors. Contract awarded to Luther Wohlsen, Brennenman Building, Lancaster, Pa. Heating and plumbing to Bard-Hill Co., 116 S. Queen street, Lancaster, Pa. Electric to Conestoga Elec. Co., Lancaster, Pa.

Church, Georgetown, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre. Owners, Methodist Episcopal Church, Georgetown, Pa. Frame. Contract awarded to J. W. Thomas, Wilkes-Barre, Pa.

Parish House, Marietta, Pa. Architect, Henry L. Reinhold, Jr., 1513 Walnut street, Philadelphia. Owners, St. John's Protestant Episcopal Church, Marietta, Pa. Contract awarded R. B. Nies, Marietta, Pa.

Pennsylvania State Highway Work, Columbia County, R-183, A-3365, Montour Township. One course reinforced concrete. Contract awarded to Vibond & Strite, Hollidaysburg, Pa., \$80,083.26.

Schuylkill County, R-161, Sec. 3, East Norwegian Township, St. Clair Borough. One course reinforced concrete. Contract awarded to Pottsville Const. Co., Pottsville, Pa., \$99,785.84.

Westmoreland County, A-4539, Mt. Pleasant Township. One course reinforced concrete. Contract awarded to Mt. Pleasant Const. Co., Mt. Pleasant, Pa., \$32,349.08.

Erie County, A-4710, Mill Creek Township. One course reinforced concrete or bituminous surface course on concrete base. Contract awarded to Charles W. Fry Const. Co., Erie, Pa., \$47,772.14.

Schuylkill County, R-162, Sec. 2, Rahn Township. One course reinforced concrete. Contract awarded to Rudolph & Delano, Tamqua, Pa., \$68,858.93.

Berks County, A-4568-69-70-71, West Reading, Wyomissing and Shillington Boroughs,

Cumru Township. One course reinforced concrete. \$105,667.96.

Lehigh County, A-4564, Upper Saucon and Lower Milford Townships. One course reinforced concrete. \$134,982.72.

Dauphin County, R-140, Penbrook Borough. One course reinforced concrete. Contract awarded to Continental Cont. Co., Baltimore, Md., \$57,343.70.

Fayette County, R-117, Sec. 6, A-4366, Dunbar Township. One course reinforced concrete. Contract awarded to Brooke & McIntyre, Uniontown, Pa., \$99,981.86.

Perry and Juniata Counties, R-31, Greenwood and Delaware Townships, Millerstown Borough. One course reinforced concrete. Contract awarded to Lord Const. Co., Hastings, Pa., \$224,191.58.

Washington County, A-4274, North Strabane Township. One course reinforced concrete. Contract awarded to D. W. Challis & Sons, Inc., Sewickley, Pa., \$120,947.33.

Lancaster County, R-128, Lancaster, East Hempfield and Manor Townships. One course reinforced concrete. Contract awarded Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$84,636.03.

Indiana County, R-63, Payne Township. Grading and drainage. Contract awarded to Milliron Const. Co., DuBois, Pa., \$38,168.89.

New Jersey Construction News

School, Mantua Terrace, N. J., \$45,000. Owner, School Board, West Deptford Township, N. J. Project approved. Work contemplated.

Colored School House, Thorofare, N. J. Owner, School Board of West Deptford Township, N. J. Work contemplated. Purchase of site approved.

School (alts.), Waterford Public School, Waterford Township, Camden Co., N. J. Owner, Board of Education, Chas. Wassmuth, Atco, N. J. General construction, plumbing, heating, ventilating, electric and drainage. Deposit, \$10, refunded. Owner taking bids due Aug. 3d, 9 P. M. (D. S. T.).

Sidewalks and Curbs, Palmyra, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owner, Borough of Palmyra, G. G. Spencer, Palmyra, N. J. Construction of approximately 1,00 lineal feet, concret curbs; 4,800 square feet, concrete sidewalk, necessary grading. Certified check, 10%, bond. Owner taking bids due Aug. 2d, 8 P. M. (D. S. T.). **Extension of Sanitary Sewer**, approximately 1,190 lineal feet 8-inch T. C. pipe sewer, 4 manholes and appurtenances. Deposit, \$5.00, refund, \$3.00. Certified check, 5% bond. Owner taking bids due Aug. 2d.

Paving, Brooklawn, N. J. Engineers, Edgar & Wittwer, 723 Haddon avenue, Collingswood, N. J. Owner, Borough of Brooklawn, James U. Bisshop, Brooklawn, N. J. Owner taking bids due Aug. 2d, 8 P. M. (D. S. T.). Deposit, \$10, refund, \$5. Certified check 10%. 1,570 cubic yards excavation; 1,270 square yards concrete paving, 100 lineal feet straight curb, 100 lineal feet radius, 330 square yards gutter, 1,000 square yards sidewalk, 300 lineal feet 5-inch T. C. pipe, house connections, 300 lineal feet 1-inch water service laterals.

Silk Plant, Camden or vicinity, \$10,000,000. Architect, not yet selected. Owners, Furness Corporation, W. H. Furness, National Park, N. J., president, care of New Jersey Corp. Guaranty & Title Co., 304 Market street, Camden, N. J. Work contemplated.

Natatorium, Sixth and Boardwalk, Ocean City, N. J., \$300,000. Architect, David M. Ach, No. 1 Madison avenue, New York. Pro-

moters, Chamber of Commerce, J. Fredmann, Ocean City, N. J. Building, 160x100 feet. Pool, 150x75 feet, 30 feet to 11 feet deep, will include gym, rest room, restaurant, solarium, stores, etc. Work contemplated.

Residence (add and alts.), Somerville, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Mrs. Louisa Mack, Somerville, N. J. Frame, 2 stories, tin roof, hardwood floors, tile and marble work, partitions. Plans in progress.

Apartment and Garage, Atlantic City, N. J. Architect, A. B. Steelman, Guarantee Trust Building, Atlantic City. Owner, name withheld. Steel, fireproof, 2 stories, 62x38 feet, slag roof, hardwood and concrete floors, hollow tile, electric work, metal lath, tile work. Plans in progress.

Masonic Home, Trenton, N. J. Architect, Oscar Schmidt, Union Bank Building, Atlantic City, N. J. Owners, United Grand Lodge of Masons, Trenton, N. J., care of architect. Fireproof, 3 stories, 43x100 feet, slag roof, composition and wood floors, hollow tile, fire escape, ornamental iron, artificial stone, tile work, metal lumber, electric light, oil burners. Plans in progress.

High School, Mays Landing, N. J., \$250,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Hamilton Township Board of Education, A. H. Smith, District Clerk, Mays Landing, N. J. Brick, steel, 3 stories, 193x140 feet, maple floors, hollow tile, safety treads, electric light. Owners will be ready for bids in two weeks.

Work House, Blackwood, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Chosen Freeholders, Camden, N. J. Ready for bids in two weeks.

School (Franklin Street Annex), Cape May, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, F. Cassidy, Cape May, N. J. Brick, reinforced concrete, 2 stories and basement, 83x25 feet, wing 74x56 feet (plumbing, heating, electric, metal weather strip separate), slag roof, cement and composition floors, metal lath, kalamein doors, bond, ornamental iron work, iron stairs, safety treads, metal weather strip, metal ceilings, waterproofing and dampproofing, cast stone, metal toilet partition. Owners taking revised bids due July 29th, 7 P. M. (Standard Time).

Administration Building (alts. and add.), Mt. Holly, N. J. Architect, Herbert O. Ziegler, Drexel Building, Philadelphia. Owners, Board of Chosen Freeholders, Burlington County, Camden, N. J. Demolition, plastering, carpentry and mill work, hardware, treadlite tile, linoleum floors, painting, glazing, bronze tablets, alterations to heating and lighting, bond, metal lath, Venetian blinds. Owners taking bids due July 29th, 10.15 A. M. (Standard Time).

Office Building, Audubon, N. J. Architect, Frank R. Watson, 1012 Walnut street, Philadelphia. Owners, Suburban Dairies, 322 Oakford street, Audubon, N. J. Brick, steel, 2 stories and basement, 101x23 feet, slag roof, composition and pine floors, plumbing, steam heat, electric light, metal lath, steel sash, bond. Owners taking bids due August 2nd.

Street Widening, Bellevue Avenue Roadway, between West Jersey & Seashore Railroad and Third street, Hammonton, Atlantic County, N. J. Engineer, Joseph A. Blake, Hammonton, N. J. Owners, Town Council of Hammonton, W. R. Seely, Town Clerk, Town Hall, Hammonton, N. J. Widening, curbing, repaving additional width. Owners taking bids due July 25th at 7 P. M. (Eastern Standard Time). Deposit, \$10, refund \$5.

Viaduct, Embankment and Paving, Newark, N. J. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Section

13, Route 1 extension, Avenue I at South Street Viaduct and approaches on South street between Stockton and Van Buren streets, Newark, Essex County. Low bidders: O'Neill Co., 127 East Mermaid lane, Philadelphia, \$943,570.

New Jersey State Highway Work. Route 5, Section 20, Morristown-Convent Station. Low bidder: Edward H. Ellis, Wilson Building, Camden, N. J., \$89,031.65.

Bridges over Jake's Branch and South Channel of Toms River at M. P. 47.5 and M. P. 48.0 on Route 4, Ocean County. Low bidders: Richards & Gaston, Somerville, N. J., \$199,957.42.

New Jersey Contracts Awarded

School No. 5, Bates Mills, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Winslow Township School Board, Alfred Crowley, R. F. D. No. 3, Hamonton, N. J. Frame, steel, 1 story and basement, 40x80 feet, shingle roof, pine and concrete floors, safety treads, roof ventilators, waterproofing, floor hardener, bond, metal lath. Contract awarded to Watson Schlienger, Atco, N. J.

Residence, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, N. J. Goeller, Hamilton and Olden avenues, Trenton, N. J. Brick, 2 stories, 22x35 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to William Hicks, 19 South Westfield street, Trenton, N. J.

Residences (2), 1530-32 Baird avenue, Camden, N. J., \$15,000. Architect, Howard E. Hall, Merchantville, N. J. Owner, Frank Steinberg, 1128 Baring street, Camden, N. J. Brick, 2 stories, 16x65 feet, slag and tile roof, vapor heat, electric light. Contract awarded to M. W. Cooperson, 550 Federal street, Camden, N. J.

Store (alts.), 2619 Westfield avenue, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Shissias Brothers, care of architect. Limestone, cinder block, 2 stories, slag roof, general alterations. Contract awarded to Victor Bezahler, Fourth and Kaighn avenue, Camden, N. J.

Store Front, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Nevius Brothers, 127 East State street, Trenton, N. J. Marble floors, plate glass, tile work, bronze work. Contract awarded to Fred Parker, 327 Calhoun street, Trenton, N. J.

New Jersey State Highway Work. Bridge over Saddle River, Route 17, Sec. 3, Bergen County. Contract awarded to A. K. More, Inc., Belleville, N. J., \$33,596.90.

Miscellaneous Construction News

Hotel, Lewes, Delaware. Architects, Lawrie & Green, Odd Fellows' Bldg., Harrisburg, Pa. Owners, Lewes Hotel Co., C. C. Marshall, Lewes, Delaware. Semi-fireproof, 3 stories, 60x80 feet, slag roof, pine floors, steel sash, tile and marble, electric light, (heating and plumbing reserved). Architects taking bids due August 8th.

We'll write your advertising without charge. All we ask is that you pay for the space and provide our ad. man with the necessary selling pointers.

AUTOMATIC HEAT CONTROL

H. L. ASHWORTH

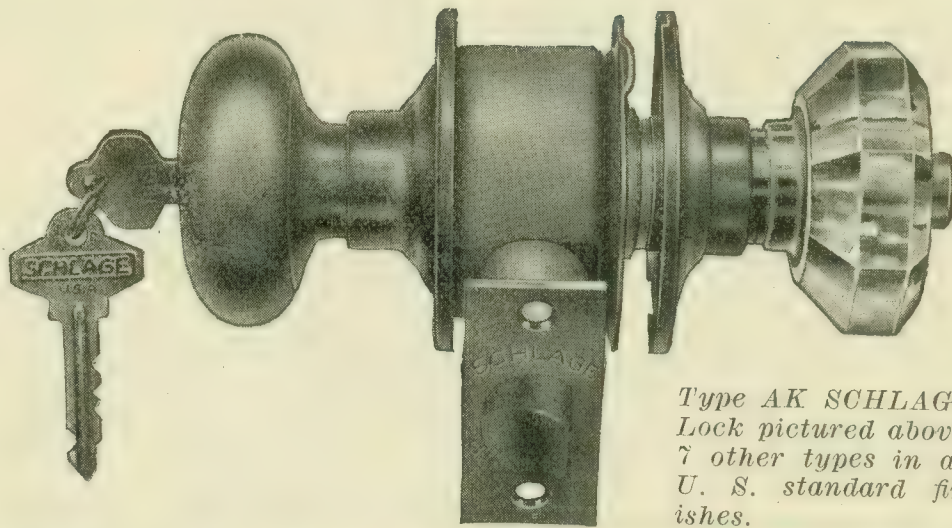
The comforts and economies to be derived by the modern American home from automatic heat regulation are fairly well known to the public, but few of us, I imagine, have any conception of the wide variety of useful functions which the thermostat performs in the business and industrial activities of the nation.

In looking over a recent report on special installations made by the Chicago branch of the Minneapolis Heat Regulator Co., this writer was amazed at the many unusual ways in which automatic

heat regulation is being adapted to commercial and industrial life.

The man whose home is equipped with an automatic heat regulator can give his neighbor a detailed description of the comforts and advantages which he enjoys through this device, but it would be difficult for him to appreciate how the same sort of equipment is likewise doing its work in stores, office buildings, factories, wholesale groceries, lumber yards, restaurants, hotels, packing plants and other business institutions.

The man who travels a great deal, stopping at hotels throughout the country, has undoubtedly often wondered why some hotels are able to keep the hot water



Type AK SCHLAGE
Lock pictured above,
7 other types in all
U. S. standard fin-
ishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

at just the right temperature—not too hot and not too cold. He has found hotels where the water would be so hot one hour that it was not safe to put his hands into it, and, perhaps, in another hour water from the same faucet would be too cold for comfort. This man would not be likely to realize that automatic heat regulation is responsible for the even, just right temperature of the hot water in some of these hotels. The report referred to shows that this type of regulation for the water supply in modern hotels, restaurants and office buildings is becoming a standard equipment.

I learned from this report, also, that most factories where metal parts are manufactured are now using automatic heat regulation in connection with core and enameling ovens. The thermostat likewise performs an important function in regulating the temperature of dry kilns in sash and door factories. It is essential to coffee roasting machines and dry rooms, and to drying rooms in packing plants.

Then, getting outside of the factory and office building we find that this invention, which has brought so much comfort and economy to American home life, is likewise an essential feature in the important work of maintaining even temperature in mausoleums, green houses, cold storage and refrigeration plants. The thermostat, also, has solved many of the temperature

difficulties in connection with die casting and in the process of developing photographs. And just recently one of the large radio broadcasting companies has found an important use for it in the power plant of its station. It is widely used in piano factories and in plants where automobiles are painted and enameled.

We find that the thermostat is even being used to give temperature alarm in apple and orange orchards. Placed in the orchard the thermostat can be hooked up in a way that will sound a bell alarm in the home of the orchard owner so that he is given warning the moment the temperature drops to a point where the budding fruit trees might be in danger of frost. So warned, the orchardist can immediately begin smudging to protect his trees. More and more the automatic heat regulator is proving its worth as an economical asset to business and industry.

MORALE

Morale is a state of mind. It is marked by loyalty to an organization when it is high; by listlessness and inaction when low. When the building business was flourishing as it never had flourished the morale of the building industry was glorious. When, during the winter of 1926-27, the usual seasonal lessening of activ-

ity occurred, numbers of individuals seized the opportunity to preach discouragement. For a time the effect appeared to be to increase the seasonal depression. January showed a great falling off in work contracted for. February indicated that improvement had set in. March, April and May have shown marked increases, so that the total record to date is almost a duplicate of the record for the first five months of 1926.

Whatever may be the record for the present year it will be good. It will be far above what has heretofore been regarded as normal, if anyone really can explain what is meant by the word normal. There appear to be a number of disturbing influences at work that affect the morale of the building industry. Prominent among them is the exploded idea that cautiousness should prevail prior to a presidential election. The myth about a presidential year being a dull year was fully disapproved two years ago. To raise morale generally it is time now to reprint statistics of business during election years. Such years usually have been good.

Pessimism flourishes only during periods of low morale; optimism is the keynote of high morale. Today there is no reason for pessimism in the building industry.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH FIRESAFE PLASTER LATH

SHEETROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLASTING

Harding, J. H. 10 N. 2nd St., Camden, N. J.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CRANE SERVICE

Selby Battersby & Co. 810 Noble St., Phila.

CURTIS WOODWORK

Palm, George W. 4514 N. Front St., Phila.

DAILY BUILDING NEWS

Gillingham Co. Norris and Richmond Sts., Phila.

DAMP-PROOFING

Building News Pub. Co. 1530 Chestnut St., Phila.

ANTI-HYDRO WATERPROOFING CO.

24th and Parkway, Phila.

BARNETT BINGSWANGER, JR.

829 N. 3rd St., Phila.

CONCRETE WATERPROOF PAINT CO.

829 N. 3rd St., Phila.

PAR-LOCK APPLIERS OF EASTERN PENNA. INC.

1700 Walnut St., Phila.

TRUSCON LABORATORIES

1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

WEBER, F. CO.

125 S. 12th St., Phila.

WEIL, J. H., CO.

1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

POTTS, HORACE T., & CO.

Erie Ave. and "D" St., Phila.

REISBORD, WOLF

138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B. & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th and Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

Lehman, L. H. 1210 N. 8th St., Phila.

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

TWO MEN AND A HOTEL FIRE

Two men lost their personal effects in a hotel fire. One said: "It's a beastly inconvenience." The other said: "It will set me back five hundred bucks."

It meant inconvenience to the first one, but not financial loss. His personal effects were covered by North America Tourist Baggage Insurance. Are yours?

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

W. T. Hutcheson Garage, Hempstead, L. I., N. Y.

Oscar G. Orford, Architect-Contractor



ANTI-HYDRO Makes Concrete Garage Floors Permanently Waterproof and Wearproof

The concrete floors and foundation of this garage are permanently hardened and waterproofed with "ANTI-HYDRO". The floors are so hard that they are not affected in the least by water, oil, greases or the wear from tire chains.

"ANTI-HYDRO" has been successfully used on every type of garage from the smallest to the largest. A floor in the Automobile Club of America building in New York, where cars are washed every day, is directly over the handsomely decorated ballroom ceiling. "ANTI-HYDRO" has so thoroughly waterproofed the one-inch topping on this floor that not a single drop of moisture has ever appeared on the ceiling below.

"ANTI-HYDRO" is a time and money saver. Being a liquid integral compound, it mixes readily with the gauging water without the aid of skilled labor. Twenty-three years of continuous use guarantee the permanence of "ANTI-HYDRO" results. Use it on your next job.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265 Badger Avenue - Newark, N. J.

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES

SLATE and MINERAL SURFACED ROOFING

SMOOTH SURFACED ROOFING

COAL-TAR PITCH

TARRED FELT

ASPHALTS

CREOSOTE OIL

WOOD PRESERVATIVES

BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 31
August 3, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR

PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

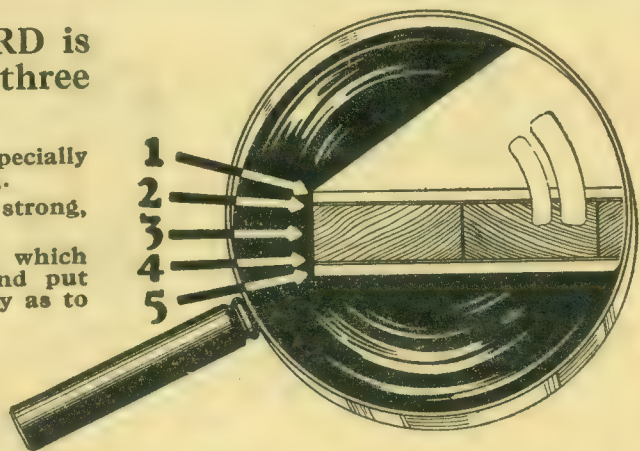
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

West Jersey Sand and Supply Corp.

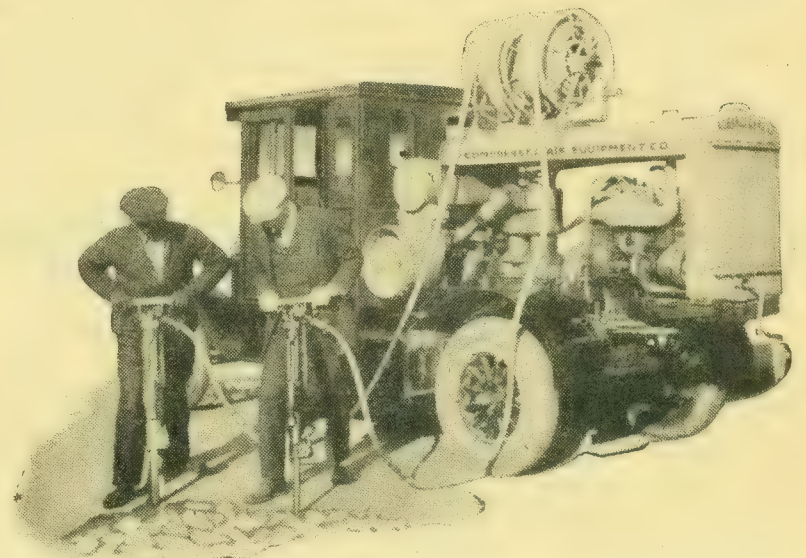
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many
types of sash can be filled
from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

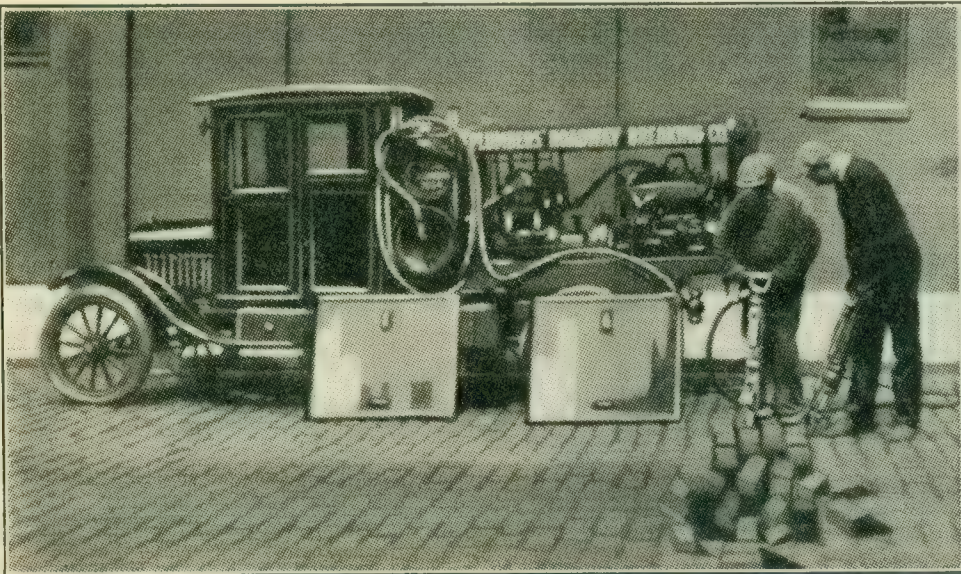
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

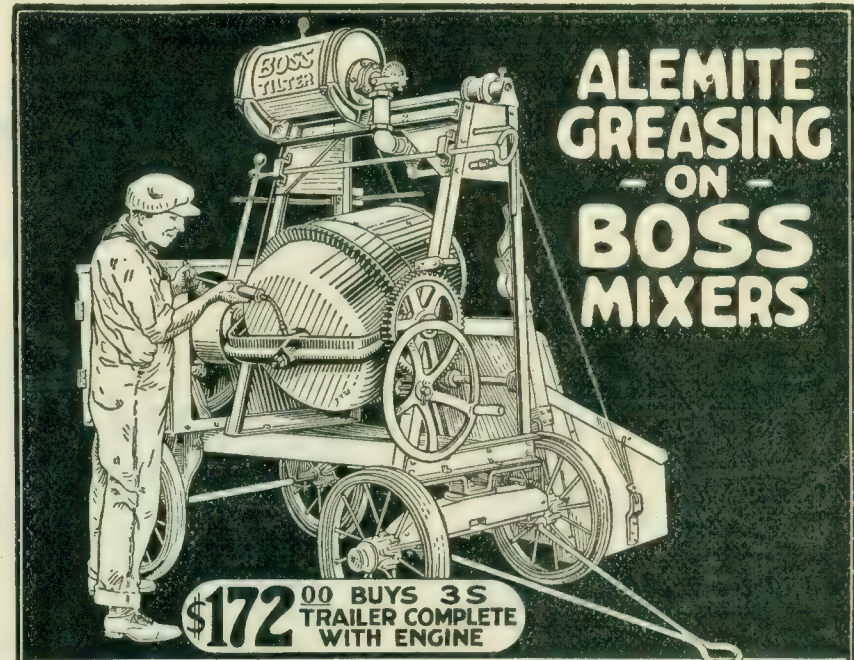
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



ONE BAG TILTER NOW AT HALF BAG PRICE

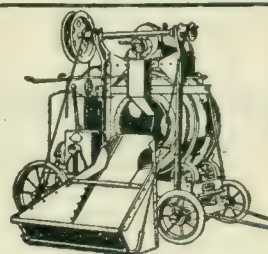
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS
STEAM
ELECTRIC
ALLEY
STREET
PAVER

HOISTS

SINGLE
AND
DOUBLE

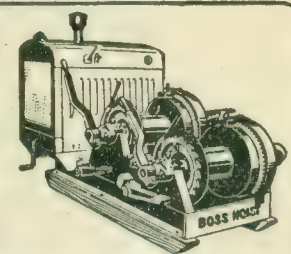
DRUM
REVERS-

ING

\$135

UP

FORDSON
WINCHES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

Excavating

Steel Erecting

Trench Work

Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

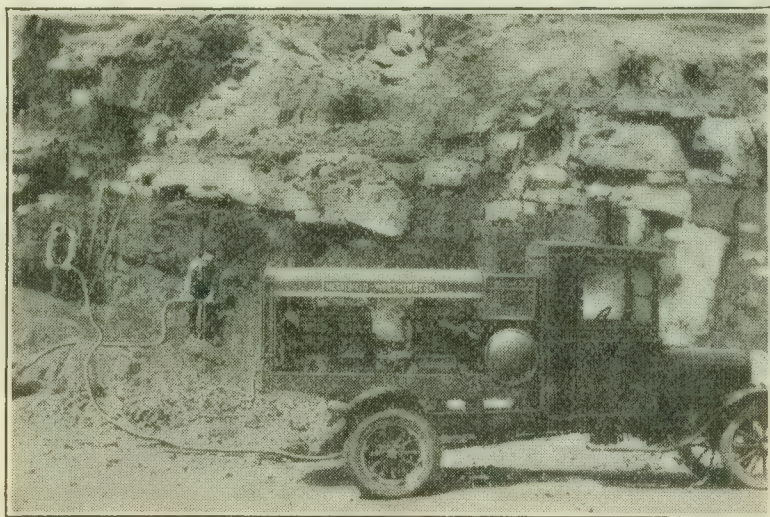
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 31

PHILADELPHIA
August 3, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Bakery, Garage and Stable, Godfrey and Rising Sun avenue, Philadelphia. Architect, C. B. Comstock, 110 West Fortieth street, New York City. Owners, General Baking Co., Broad and Butler streets, Philadelphia. Reinforced concrete, brick, granite, 3 stories and basement, 1 story and basement, 2 stories and basement, 310x220 feet, 191x61 feet, 93x183 feet, Barrett specification roof, cement floors, mastic and maple floors, metal lath, marble and terrazzo work, rolled steel sash, copper skylights, fire and hollow metal doors, bond, iron stairs, ornamental iron work, wrought iron pipe, area gratings, safety treads, waterproofing (sprinkler, heating, electric separate). Architect taking bids due August 22nd.

Office Building, Tabor Road, Cedar Grove Station, Phila. Architects, Heacock & Hokanson, 1211 Chestnut St., Phila. Owner, F. J. Stokes Machine Co., Tabor Road, Phila. Brick, 1 story mezz., 47x91 feet, slag roof, terrazzo and pine floors, electric light, steam heat. Architects taking bids due Aug. 15th.

Church, Rising Sun and Cottman street, Phila. Architects, Heacock & Hokanson, 1211 Chestnut street, Phila. Owner, Burholme Baptist Church, Rev. W. Lockhart, Fox Chase, Pa. Stone, 1 and 2 stories, 40x85 feet; 33x60 feet, slate roof, steam heat. Architect taking bids.

Residence (alts. and add.), 131 South Twenty-second street, Philadelphia. Architects, Wallace & Warner, Owner, Dr. C. Coy Hunsicker, 131 South Twenty-second street,

Philadelphia. Brick work, bronze entrance, caen stone finish, carpentry, cabinet work, cut stone, electric work, hardware, mill work, painting, glazing, plastering, metal lath, plumbing, copper skylights, structural steel, tile, marble and terrazzo work, vapor heat, iron stairs. Architects taking bids due August 10th.

Howard Furness School (alts. and add.), Third and Mifflin streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, steel, granite, 3 stories and basement, 2 wings, 63x106 feet, composition roof (plumbing, heating, electric separate), maple and cement and pine floors, hollow tile, metal weather strips, concrete piling, membrane waterproofing, dampproofing, hollow metal doors, metal lath, tile and marble work, steel partitions, linoleum floors, bond, floor hardener, iron stairs, ornamental iron work, bronze work. Owners taking bids due August 9th.

Trade School, Frankford avenue and Clementine street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, steel, 5 stories and basement, 156x164 feet (plumbing, heating, electric and ventilating separate bids), tile roof, maple, pine, lino-

leum, cement floors, safety treads, roof ventilators, membrane waterproofing, dampproofing, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, hollow metal doors, bond, floor hardener, iron stairs, iron work, bronze work, area gratings, granite, steel partitions. Owners taking bids due August 9th.

Miscellaneous School Work. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due August 19th. Gym equipment, repairing stone walls, new flag poles, new chain link fences, electric materials, cement pavement, bronze tablets, new smokestacks, covering heating ducts in boiler room. Various schools.

Torresdale Central Office Building, Grant and James streets, Philadelphia. Architect, private plans. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Carpentry and mill work, metal lath, plastering, electric work, heating (alts.), plumbing, painting, glazing. Owners taking bids.

Moving Picture Theatre, Baltimore, Warrington and Forty-seventh streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Brown & Sons, care of A. Brown, 4728 Baltimore avenue, Philadelphia. Brick, steel 1 story, 76x263 feet, slag roof, cement floors, steam heat, electric light, tile and marble work, metal lath, fire doors. Owners ready for sub-bids.

Apartment House, Fortieth and Baltimore avenue, Philadelphia. Architect, J. Ethan

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

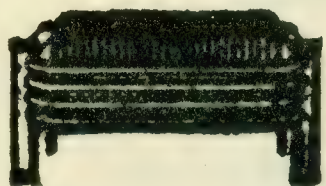
ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**
50 North 2nd Street

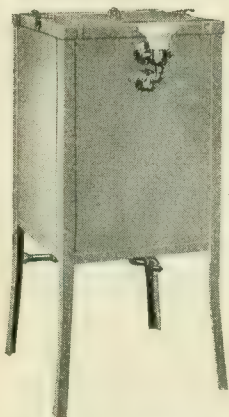


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Fieldstein, Otis Building, Philadelphia. Owner, Jacob Gorehov, 4116 Girard avenue, Philadelphia. Brick, cast stone, steel, 4 stories and basement, steam heat, electric light, metal lath, oil burners, tile and marble work, slag roof, oak and pine floors, metal ceilings, architectural terra cotta coping, cast stone, incinerators, ornamental iron work, kalamein doors, bond. Plans completed. Owner will build.

Loft Building, Northwest Corner Thirtieth and Race streets, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, Benjamin Sagel, Pennsylvania Building, Philadelphia. Brick, steel, concrete, 15 stories, 100x112 feet 6 inches, slag roof, concrete floors, hollow tile, elevators, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, ornamental iron work. Owner taking sub-bids.

Stores (2), Apartments (4), Southeast Corner Thirty-third and Lancaster avenue. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, H. Pennypacker, care of Cyril Hepburn, Liberty Building, Philadelphia. Brick, 2 stories, 32x45 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will sub-let.

Store and Apartments, 1311-17 South Fifty-second street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Maurice H. Zinmanne, Real Estate Trust Building, Philadelphia. Brick, steel, 3 stories and basement, 76x60 feet, slag roof, oak and pine and cement floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Plans nearly completed. Ready for bids in a few days.

Apartment House (38 apartments), 4618 Chester avenue, Philadelphia. Architect, Morris Bohrer, 1032 North Sixty-seventh street, Philadelphia. Owner, Simon Kaplan, 243 South Sixty-second street, Philadelphia. Brick, cast stone, steel, 4 stories and basement, 65x125 feet, slag roof, oak, pine and composition floors, elevators, metal weather strip, hot water heat, electric light, tile, marble and terrazzo work, copper skylights, bond, ornamental iron work, area gratings, incinerators. Owner taking sub-bids due as soon as possible.

Stores (15), Apartments (30), Rising Sun avenue, Olney to Clarkson streets, Philadelphia. Architect, private plans. Owner, care of Rueben H. Isdaner, Pennsylvania Building, Philadelphia. Brick, 3 stories, 16x58 feet, slag roof, hardwood and cement floors, electric light, tile work, hot water heat. Owner will build.

Apartment Building and Store, Southeast Corner Catherine and Cobb's Creek, Phila-

delphia. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, James McGarrity, Sixty-third and Catherine streets, Philadelphia. Brick, 3 stories, 18x100 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Plans in progress. Owner will take sub-bids.

Theatre and Stores, 4142-52 Lancaster avenue, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, care of N. J. Taube, Inc., Eighteenth and Chestnut streets, Philadelphia. Brick, steel, concrete, 1 story, 110x173 feet, steam heat. Plans in progress.

Storage Warehouse, Germantown avenue, Chestnut Hill, Pa. Architect, George Kingsley, 103 East One Hundred and Twenty-fifth street, New York. Owner, J. L. Gillies, 8515 Germantown avenue, Philadelphia. Brick, reinforced concrete, Barrett specification roof, cement floors, electric light, kalamein doors, ornamental iron work. Revised plans in progress.

Dispensary Building, Fitzwater and Watts streets, Philadelphia. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Eagleville Sanatorium for Consumptives, J. H. Loughheim, Franklin Bank Building, Philadelphia. Brick, limestone, steel, concrete, 2 stories, 50x72 feet, slag roof, terrazzo floors, tile, marble and terrazzo work, oil burners, steam heat. P. M. Sax, Penfield Building, Philadelphia, will build for owners and is taking sub-bids.

Church, Roxborough, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, First Methodist Episcopal Church, Roxborough, Philadelphia. Stone. Plans in progress.

Garage (alts. and add.), East side Twenty-third, below Ludlow street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Automobile Club of Philadelphia, K. S. Greene, on premises. Brick, reinforced concrete, steel, 2-story add., 220x120 feet (plumbing, heating, electric, elevator reserved), gypsum, slag roof, composition, cement floors, hollow tile, waterproofing, dampproofing, iron stairs, iron work, floor hardener, bond, fire, kalamein doors, rolled steel sash and skylights, metal lath, linoleum floors, Stedman floors, steel partitions. Architects taking bids due August 10th.

Club (alts.), Broad and Master streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Mercantile Club, on premises. Demolition, carpentry and mill work, metal toilet

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

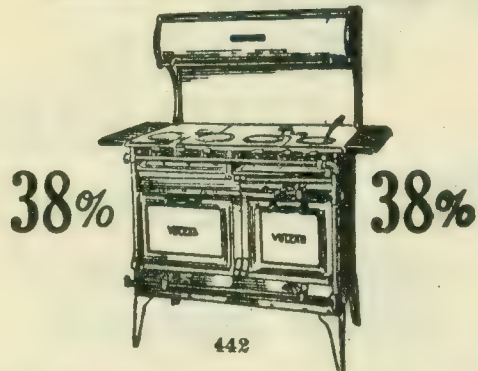
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

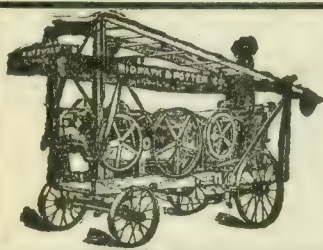
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

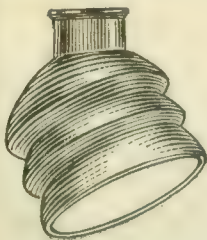


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

partitions, plumbing, marble work. Architect taking bids due as soon as possible.

Interior Alterations, 1901 Spruce street, Philadelphia. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Charles C. Purdy, 120 South Nineteenth street, Philadelphia. General interior alterations. Architects taking bids due August 4th.

Comfort Station, Gorgas lane and Hermitage street, Philadelphia. Acting city architect, J. A. Rolleter, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Property, City Hall. Low bidders: Mitchell Brothers, 2125 Race street, Philadelphia, \$10,398; George H. Evans Co., 1416 Vine street, Philadelphia, \$10,558; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$1,624; heating, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$354; electric, Industrial Elec. Co., 4324 Market street, Philadelphia, \$268.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of City Property, City Hall. Guard house, Fiftieth and Baltimore avenue, Philadelphia: H. E. Houseworth, 2512 North Twenty-seventh street, Philadelphia, \$887. Improvement to Hunting Park, Wilson Martin, Second and Jefferson streets, Philadelphia, \$1,698. Department of Public Works, Bureau of Water, 216 City Hall, Contract No. 890, low bidder: Acme Machinery Co., 27 North Thirty-eighth street, \$27,600; No. 891, Acme Machinery Co., 27 North Thirty-eighth street, Philadelphia, \$20,000.

Storehouse and Garage, Southwest Corner Sixth and Duncannon avenue, Philadelphia, \$200,000. Architects, Perry, Shaw & Hepburn, Boston, Mass. Owners, United Gas Improvement Contracting Co., Broad and Arch streets, Philadelphia. Reinforced concrete, 4 stories, 61 feet 8 inches x 161 feet 8 inches and 59 feet 6 inches x 201 feet 2 inches. Permit issued.

Residences (36), North side Seventy-ninth avenue, West of Ogontz avenue, Philadelphia, \$162,000. Architect, private plans. Owner, Max Chipin, 5701 North Seventeenth street, Philadelphia. Brick, 2 stories, 16x29 feet, 12 feet 6 inches x 15 feet 6 inches, slag roof, hardwood and pine floors, electric light. Permit issued.

Apartment Houses (2), North side Conklin street, West of Duffield street, \$14,000 total. Architect, private plans. Owner, A. J. Cassidy, 1534 Overington street, Philadelphia. Brick, 3 stories, 16x34 feet, hot water heat, electric light, slag roof. Permit issued.

Moving Picture Theatre (alts.), 3037 Richmond street, Philadelphia, \$3,000. Owners,

Green & Altman, Schaff Building, Philadelphia. General alterations. Permit issued.

Residences (15), Residences and Stores (2), Fourth, Wingohocking and Annsbury streets, Philadelphia, \$80,400. Owner, Robert Erny, 4718 North Fourth street, Philadelphia. Brick, 2 stories, 17x33 feet, 19x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (22), North side Queen street, East of Magnolia street, \$66,000. Architect, private plans. Owner, Charles B. Maguire, 20 South Fifteenth street, Philadelphia. Brick, 2 stories, 14 feet 8 inches x 24 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Car Barn (alts.), East side Sixteenth street, South of Jackson street, Philadelphia, \$150,000. Architect, private plans. Owners, Philadelphia Rapid Transit Co., Broad and Locust streets, Philadelphia. Brick, general alterations. Permit issued.

Garage, 60 North Fourth street, Philadelphia, \$25,000. Architect, private plans. Owner, Harry Kattelman, Southeast Corner Sixth and Locust streets, Philadelphia. Brick, 2 stories, 50x7 feet, slag roof, cement floors. Permit issued.

Residences (6), South side Robbins avenue, West of Oakley street, Philadelphia, \$23,000. Architect, private plans. Owner, John H. Bauer, 4938 North Fairhill street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, 277-83 South Sixty-second street, Philadelphia, \$15,000. Owners, Babis & Bender Co., Schubert Building, Philadelphia. Brick, 1 story, 72x100 feet, slag roof, cement floors. Permit issued.

Residences (24), Fairhill, North of Spencer street, Philadelphia, \$97,000. Owners, W. Fischer Sons, Inc., Oak Lane Trust Building, Philadelphia. Brick, 2 stories, 16x31 feet, hot water heat. Owners building.

Garage, Leiper, North of Dyer street, Philadelphia, \$22,000. Owner, Edward V. Holland, Beverly Hills, Pa. Brick, 1 story, 100x100 feet, cement work, electric light. Permit issued.

Residences (84), Larue, Tulip and Simon streets, Philadelphia, \$252,000. Architect, private plans. Owner, Burton C. Simon, Twentieth and Passyunk avenue, Philadelphia. Brick, 2 stories, 14 feet 4 inches x 30 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (8), Krams avenue, West of Manayunk avenue, Philadelphia, \$32,000. Architect, private plans. Owners, C. M. Swartley & Son, 6835 Ridge avenue, Philadelphia.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Brick, 2 stories, 16x28 feet 4 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), East side Silverwood street, North of Leverington street, \$8,000. Architect, private plans. Owner, George A. Kleigh, 4615 Silverwood street, Philadelphia. Brick, 2 stories, 16x25 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Grant avenue, West of Hoff street, Philadelphia, \$4,000. Architect, private plans. Owner, Thomas C. Copeland, 1839 Murray street, Philadelphia. Frame, 2 stories, 24x24 feet, electric light, pine floors. Permit issued.

Shop and Office, 1618 Sellers street, Philadelphia, \$10,000. Architect, private plans. Owners, Wintz Brothers, on premises. Brick, 2 stories, 54x61 feet 5 inches. Permit issued.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Anatomical and Physiological Chemistry Laboratory, Thirty-fourth and Spruce streets, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, stone, cut stone, steel, granite, 4 stories and basement, 245x53 feet, wing 145x53 feet, asphalt built-up roof, cement floors, safety treads, metal weather strip, plumbing, architectural terra cotta, bluestone, metal partitions, cork insulation, vacuum system, iron pipe, ornamental iron work, floor hardener, bond, hollow metal doors and sash, metal lath. Contract awarded J. Myers Sons Co., 5100 Lancaster avenue, Philadelphia.

Laundry Building, Penn and Chew streets, Philadelphia. Architect, private plans. Owners, Germantown Hospital, Penn and Chew streets, Philadelphia. Brick, steel, 1 story and basement, 46x67 feet, slate roof, cement floors (plumbing, heating, electric reserved), rolled steel sash, ornamental iron work. Contract awarded I. A. Dunkelberger, 71 East Herman street, Philadelphia.

Store (alts. and add.), 6156 Ridge avenue, Philadelphia, \$18,500. Architect, L. G. Park, Parkland, Pa. Owner, Albert Forster, 5156 Ridge avenue, Philadelphia. Slag roof, stone work, brick work, concrete and cement work, plastering, plate glass, stair work, painting and glazing, plumbing, electric work, metal lath, tile and marble work, steam heat, iron work, bronze work, wrought iron pipe. Contract awarded Penn Building Co., Haines and Ardleigh streets, Philadelphia.

Office Building, 45 Maplewood avenue, Germantown, Philadelphia. Architect, Robert L. Gill, 5600 Germantown avenue, Philadelphia. Owners, B. B. Lister & Son, 46 Maplewood avenue, Philadelphia. Brick, 2 stories, 20x60 feet, slag roof, pine, linoleum and rubber floors, gas heat (plumbing, electric and heating reserved), tile work, metal lath, bond, ornamental iron work. Contract awarded Fred Elvidge & Son, 5522 Germantown avenue.

Club House (alts. and add.), 1226 South Broad street, Philadelphia, \$6,000. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owners, Circolo Dante Aligheri, on premises. Brick, 1 story, 10x68 feet, 10x22 feet, slag roof, maple floors, bowling alley (plumbing, heating reserver), electric light. Contract awarded Joseph Padalese, North-west Corner Sixteenth and Dickinson streets.

Lowering Floors (alts. and add.), 412 Market street, Philadelphia. Architect, private plans. Owner, Virgil Baldi, 4406 Manayunk avenue, Philadelphia. Slag roof, painting, glazing, plumbing, electric, plastering. Contract awarded West Philadelphia Const. Co., 601 North Sixty-sixth street, Philadelphia, who are taking sub-bids due as soon as possible.

Building (alts.), 901 Market street, Philadelphia, \$34,000. Architect, Walter Thomas Williams, 41 East Forty-second street, New York. Owners, Louis K. Liggett Co., 41 East Forty-second street, New York. Plumbing, steam heat, bond, brick work, carpentry and mill work, cabinet work, ornamental iron work, copper work, kalamein doors, metal ceilings, marble and tile work, painting, glazing, rubberoid built-up roof. Contract awarded Smith-Hardican Co., 1809 Callowhill street, Philadelphia.

Store Building (alts.), 2258 North Front street, Philadelphia. Architects, Watts & Coscia, 1504 Locust street, Philadelphia. Owner, Samuel Lyons, on premises. New store front, plate glass, brick work, iron work, linoleum floors, electric work, sheet metal work, slag roof, plastering. Contract awarded Wintz Brothers, 1618 Sellers street, Philadelphia.

Church (alts.), Cheltenham avenue, Germantown, Philadelphia. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, First Presbyterian Church, on premises. Carpentry and mill work, plastering, painting, glazing, hardware, concrete and cement work. Contract awarded H. H. Wehmeyer, 509 West Cumberland street, Philadelphia.

Torresdale Filter Plant (alts.), Philadel-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Hood Tile Is Good Tile

ROOFING TILE AND QUARRIES
PHILADELPHIA ELECTRIC CO.
AND
DREXEL & CO.
INSTALLS ON THE ROOF OF THEIR NEW BUILDINGS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018
MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—
 Come To Headquarters
for your
GAS RANGE
 All the newest models
 in the best grades.
**QUALITY
 TRIANGLE
 RELIABLE**



Also KITCHEN CABINETS,
 Water Heaters & Refrigerators



1026 Arch St.
 263 So. 52nd St.
 York Rd. & Rockland St.
 Also Newark & Atlantic City, N. J.

Face Brick
 Paving Brick
 Ornamental Terra Cotta
 Hollow Tile
 Roofing Tile

O. W. KETCHAM
 Manufacturer
 121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR
 ARE STANDARD EQUIPMENT IN
 Apartments, hotels, dormitories and private
 and are equipped with coil, box or fabric



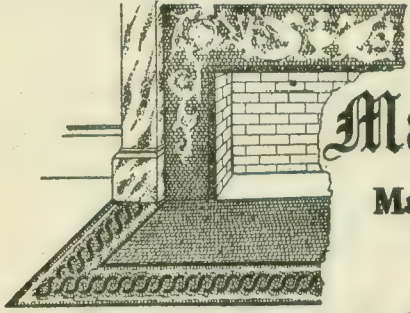
Write for our descriptive literature
 display rooms. See our all por
 equipment and Murphy cabinet iron
 well as samples of the Murphy

THE MURPHY DOOR
 512 Bulletin Building
 Philadelphia
 Penna.

There is only one IN-A-DOR
 "THE MURPHY"

DAILY BUILDING NEWS
LEADS TO BUSINESS

DAILY BUILDING NEWS
 1530 CHESTNUT STREET . PHILADELPHIA



**Italian
 Marble Mosaic Co.**

Marble Mosaics, Terrazzo, Tiles and Ceramics
 433 SPRUCE STREET
 Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

Both
 Phones

BUILD WITH
ST. MARTINS BUILDING STONE
 "Rock of Ages"

Works: Germantown Ave. & Rumford Road
 Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

Conkling-Armstrong Terra Cotta Co.
 Manufacturers of
ARCHITECTURAL TERRA COTTA
 All Colors and Finishes

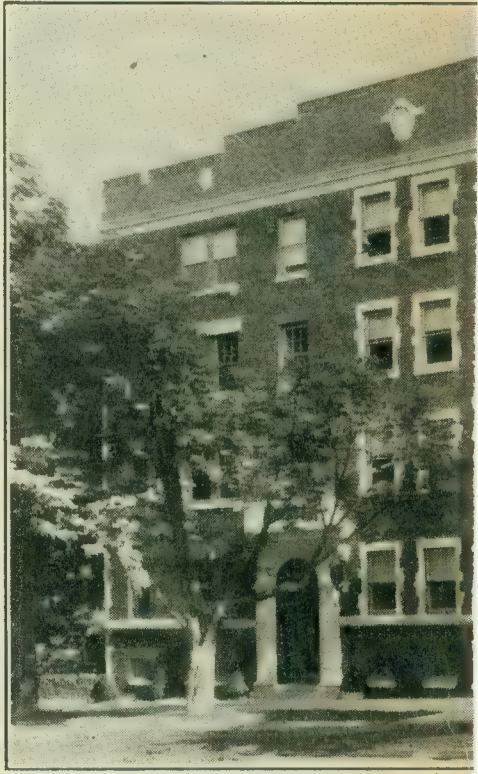
We offer the services of our organization for consultation, approximations of cost,
 engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
 16th and Parkway

Plant
 Wissahickon Ave. & Juniata St.
 Philadelphia

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

For a Beautiful, Co
 Building. The firm
 recognized Standard a
 Services. Avail yours
 Write for Literature.



TRUSCON ST
Protects Masonry

Examine your concrete or stucco walls. If hai
 the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to rus
 and cracking, repairs should be made and disintegrati
 of Truscon STONETEX.

STONETEX is the masonry coating. Not only
 from being absorbed into concrete, stucco or brick, but
 with a beautiful finish which lasts for years. Stonetex
 produce the "shiny" appearance of paint. Stonetex look

BEDS

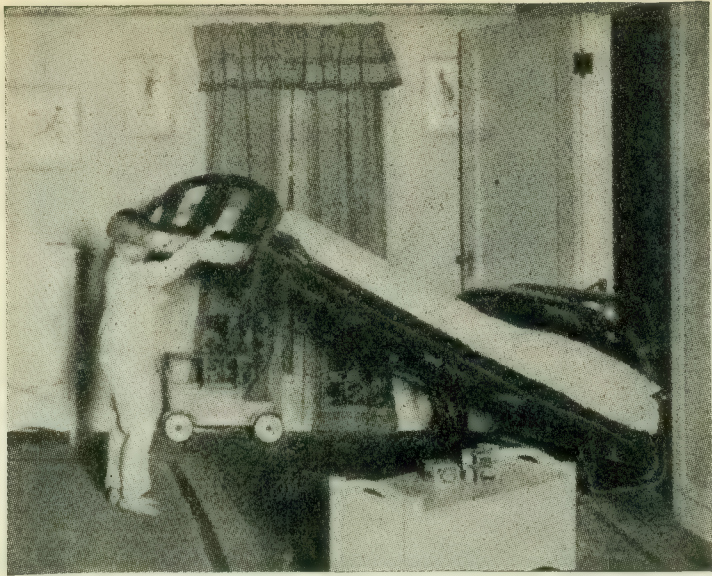
comes
ings

call at our
ain kitchen
g boards as
Beds

D CO.

ey Building
44th Street
w York

2 BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

cks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
ce masonry.



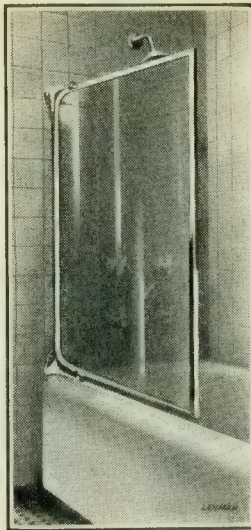
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

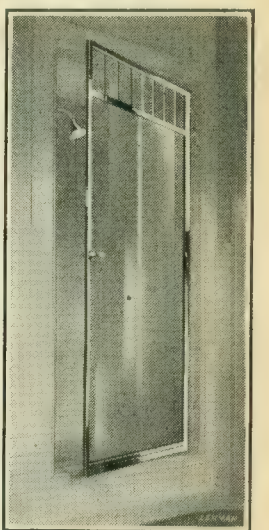
LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager.

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

phia, \$13,422. Owners, Department of Public Works, Bureau of Water, 216 City Hall, Philadelphia. Bond, waterproofing, asphalt,

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

**PILES, FOUNDATIONS
CAISSONS**
 ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
 1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

**Reinforced Concrete
and Cement Work**
 Get our estimate first on
 "THAT CEMENT JOB"
FREDERICK MASSIAH
 S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS
 1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

brick work, structural steel, concrete. Contract awarded Pennsylvania Engr. & Const. Co., Real Estate Trust Building, Philadelphia.

Store Building, 5230-32 Chestnut street, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owners, Mastbaum Brothers & Fleisher, 1422 Penn Square, Philadelphia. Brick, reinforced concrete, steel, 2 stories and basement, slag roof, cement and pine floors, electric light, metal lath, tile and marble work, ornamental iron work, sprinkler. Contract awarded Golder Const. Co., 263 South Fifteenth street, Philadelphia.

Lunch Room, Train Floor, Reading Terminal, Twelfth and Market streets. Engineer, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad Co., Twelfth and Market streets, Philadelphia. Brick work, hollow tile, metal lath, plastering, carpentry and mill work, tile work, terrazzo floors, marble work, sani-metal stools, painting, glazing, hardware, electric work. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Garage, Tenth and Russell streets, Philadelphia. Architect, private plans. Owners, Mawson & Mawson, 2131 West Cambria street, Philadelphia. Brick, steel, 1 story and basement, 80x75 feet, slag roof, cement floors, roof ventilators, steam heat, electric light, rolled steel sash, hollow metal skylights, ornamental iron work, cinder concrete work blocks. Contract awarded L. Rosengarten, Otis Building, Philadelphia.

Church (alts.), Southwest Corner Eighteenth and Wolf streets, Philadelphia, \$8,800. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Evangelical Lutheran Church, on premises. Stone, brick, cement, mill work, carpentry, painting, glazing, hardware, metal lath, tile and marble, iron, fireproof partitions. Contract awarded to Smith-Hardican Co., 1809 Callowhill street.

Tool House and Garden Walls, Chestnut Hill, Pa. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owner, F. H. Noyes, on premises. Carpentry and mill work, cement work, excavation, hardware, stone work, painting, glazing. Contract awarded George S. Roth & Son, 230 East Graver's lane, Philadelphia.

Alterations, Thirtieth and Locust streets, Philadelphia. Architect, private plans. Owners, McCloskey Varnish Co., Thirtieth and Locust streets, Philadelphia. General interior alterations. Contract awarded H. H. Wehmeyer, 509 West Cumberland street, Philadelphia.

Alterations, Fourth Floor of Hospital Building, Broad and Ontario streets, Philadelphia. Architect, private plans. Owners,

Samaritan Hospital, George W. Meister, Broad and Ontario, Philadelphia. Too early for details. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Gym Building, Mt. Airy, Pa. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Pennsylvania Institute for the Deaf, on premises. Reinforced concrete, steel, cut stone, brick, granite, steel, 2 stories and basement and gallery, 106x66 feet, skylights, copper roof, cement and maple floors, safety treads, flagstone, cast stone, cinder concrete blocks, windows (casement), bond, copper skylights. Contract awarded H. H. Burrell & Son, 206 South Quince street, Philadelphia.

Footings and Foundations, Southeast Corner Quince and Walnut streets, Philadelphia. Architect, Herbert J. Krapp, 1 West Forty-seventh street, New York. Owners, Shubert Theatre Co., 225 West Forty-fourth street, New York. Concrete footing, sheet piling, shoring. Contract awarded Stofflet & Tillotson, Wesley Building, Philadelphia.

Subway, Fifteenth street to Schuylkill River, under Filbert street, Philadelphia. Engineer, private plans. Owners, Pennsylvania Railroad Co., care of Mr. Robert Farnum, Fox Building, Philadelphia. Steel, reinforced concrete, 4 tracks. Contract awarded Keystone State Const. Co., Franklin Bank Building, Philadelphia.

Interior Alterations and New Store Front, Southwest Corner Taney and South streets. Architect, private plans. Owner, name withheld. Plate glass, plastering, painting, glazing, carpentry and mill work. Contract awarded Irving Demarest, 10 South Eighteenth street, Philadelphia.

Residence, Sedgwick, East of Wissahickon, Germantown, Philadelphia. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, Louis A. Rosenau, Twenty-fifth and Westmoreland streets. Stone, 2½ stories and basement, 89x18 feet, 35x23 feet, garage, 29x26 feet, tile roof, oak and pine and cement floors, metal lath, ornamental iron work, flagstone, copper flashings (electric, painting, plumbing, tile work reserved). Contract awarded E. Allen Reeves, Abington, Pa.

Residence and Store (add. and alts.), 4677 Frankford avenue, Philadelphia, \$7,500. Architect, private plans. Owners, Gates Candy Co., on premises. Brick, 1 story add., 4x16 feet, general alterations. Contract awarded to Rush Brothers, 4682 Darrah street, Philadelphia.

Green House (add.), Southwest Corner Springfield and Huron avenues, \$3,500. Architect, private plans. Owner, Charles A. Porter, on premises. Steel, 1 story add., 18x17 feet. Contract awarded to William H. Sutton Co., Jersey City, N. J.

Residence, West side Loretto street, North of Shelmire street, \$3,500. Architect, private plans. Owner, Olga Feiman, 7205 Rutland street, Philadelphia. Frame, 2 stories, 24x28 feet, 12x6 feet, hot water heat, electric light, pine floors. Contract awarded to Martin Medin, 7205 Rutland street, Philadelphia.

Manufacturing Building (add.), Disston, West of Milnor street, \$15,000. Architect, private plans. Owners, Henry Disston's Sons, Tacony, Philadelphia. Steel, 1 story add., 74x76 feet. Contract awarded to Austin Co., Jefferson Building, Philadelphia.

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

Residence (alts.), North side Elbow lane, East of McCallum street, \$11,500. Architect, private plans. Owner, J. Aubrey McCurdy, on premises. General alterations. Contract awarded to William J. Ryder, 1725 Sansom street, Philadelphia.

Store (add. and alts.), 136 South Fifty-second street, Philadelphia, \$6,000. Architect, private plans. Owner, C. S. Maser, 6042 Market street, Philadelphia. Brick, 1 story add., 13x20 feet, general alterations. Contract awarded to Paul Brosz, 2615 West Hunting Park avenue, Philadelphia.

Hall (alts.), Northwest Corner Twenty-sixth and Wharton streets, Philadelphia, \$5,000. Owner, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. General alterations. Contract awarded to James J. Murphy Sons, 324 Sloan street, Philadelphia.

Residence and Store (add. and alts.), Southwest Corner Fifty-third and Chestnut streets, \$4,000. Architect, private plans. Owner, H. D. Draper, Southwest Corner Fifty-third and Arch streets, Philadelphia. Brick, 1 story add., 14x16 feet, general alterations. Contract awarded to Charles R. Davis & Sons, 4729 Ludlow street, Philadelphia.

Restaurant (add. and alts.), 926 Chestnut street, Philadelphia, \$20,000. Owners, Land Title & Trust Co., Broad and Chestnut streets, Philadelphia. Brick, 1 story add., 10 feet 5 inches x 14 feet, general alterations. Contract awarded to F. A. Havens Co., 845 North Nineteenth street, Philadelphia.

Storage Building (alts.), Southwest Corner Thirtieth and Reed streets, Philadelphia, \$13,000. Architect, private plans. Owners, Middi-Shade Co., Inc., on premises. General alterations. Contract awarded to Harry Goldberg, 5202 Arlington street, Philadelphia.

Stores (add. and alts.), 27-29 Maplewood street, Philadelphia, \$10,000. Architect, private plans. Owners, J. H. Chadwick & Co., Northeast Corner Fifteenth and Walnut streets. General alterations and additions. Contract awarded to John Roman, 414 East Brighthurst street, Philadelphia.

Residence, West side Fourth street, South of City Line, Philadelphia, \$6,200. Architect, private plans. Owner, F. F. Stull, Fourth and City Line, Philadelphia. Frame, 2 stories, 24x39 feet, hot water heat, electric light. Contract awarded to Leslie Ferguson, Willow Grove, Pa.

Residence, North side Lyons avenue, East of Eighty-third street, Philadelphia, \$5,500. Architect, private plans. Owner, Guiseppi Di Rosa, 8325 Lyons avenue, Philadelphia. Brick, 2 stories, 16x40 feet, hot water heat, electric light, slag roof, hardwood and pine floors. Contract awarded to Odell White, 8300 Lyons avenue, Philadelphia.

Shop, 1029 Parrish street, Philadelphia, \$5,000. Architect, private plans. Owners, Quaker City Roofing Co., 1035 Parrish street, Philadelphia. Brick, 2 stories, 31 feet 6 inches x 79 feet 6 inches, hot water heat, electric work. Contract awarded to I. Margassin, 1632 North Marshall street, Philadelphia.

Residence (add. and alts.), 3910 Girard avenue, Philadelphia, \$3,000. Architect, pri-

vate plans. Owner, Ettore Ragni, 1513 North Tenth street, Philadelphia. General alterations and addition. Contract awarded to Nick Pody, 5122 Worth street, Philadelphia.

Grandstand, Southwest Corner Manheim and Morris streets, Philadelphia, \$10,000. Owners, Germantown Cricket Club, on premises. Frame. Contract awarded to Roydhouse-Arey Co., 112 North Broad street, Philadelphia.

Store (add.), 6830 Ogontz avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Salvatore Cusani, 6830 Ogontz avenue, Philadelphia. Brick, 1 story add., 13x90 feet. Contract awarded to W. J. Baltz, Sixty-sixth and Lawnton avenue, Philadelphia.

Stable, E. side Windemore Ave., S. of Conshokocken Ave., \$13,000. Architect, private plans. Owners, Walter Briggs Riding Academy, on premises. Brick 1 story, 115x34 feet. Contract awarded to G. L. & J. K. Callahan, 485 Oriole street, Phila.

Pennsylvania Construction News

Residence and Garage, Lansdowne, Pa. Architect, W. L. Blithe, Public Ledger Building, Philadelphia. Owner, Alexander Wilson, care of architect. Stone, 2½ stories, 45x30 feet, wing 23x20 feet, hot water heat. Plans in progress.

Church, Drexel Hill, Delaware County, Pa. Architect, George I. Lovatt, 223 South Sydenham street, Philadelphia. Owners, St. Andrew's Roman Catholic Church, Rev. Joseph M. McShain, 527 Foss avenue, Drexel Hill, Pa. Stone, 1 story. Plans in progress. Too early for details.

Church, Shamokin, Pa., \$60,000. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Salem Reformed Congregation, Rev. A. F. Dietz, 1310 West Pine street, Shamokin, Pa. Brick, 1 story, 103x70 feet, slag roof, steam heat. Plans in progress.

Factory, Reading, Pa. Architect, W. Macy Stanton, 1524 Chestnut street, Philadelphia. Owners, William L. Remppis Co., Reading, Pa. Brick, 1 story, 60x120 feet, built-up roof. Revised plans in progress.

Dairy, Port Allegheny, Pa. Architect, Walter Smedley, Stephen Girard Building, Philadelphia. Owners, Abbott's Alderney Dairies, Inc., Thirty-first and Chestnut streets, Philadelphia. Brick, 1 story. Preliminary plans

in progress.

Orphanage (alts. and add.), Franklin street, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Catharine's Home, 1026 Franklin

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR
BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501

Keystone, East 8912

The Seal-A-Void Co. WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

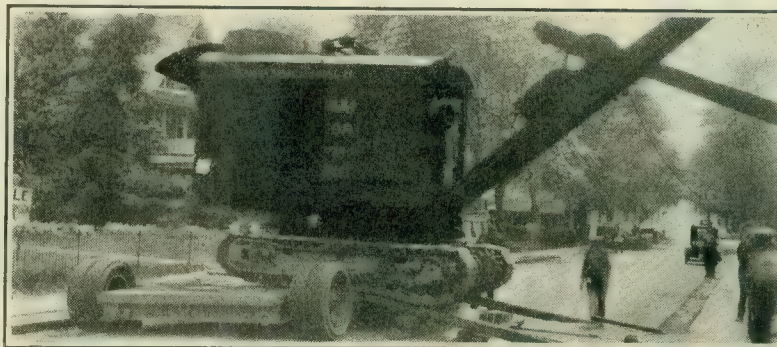
Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

street, Reading, Pa. Brick, steel, 3 stories, 40x61 feet, electric work. Too early for details.

High School, Valley View, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Hegins Township School Board, Robert Bossler, Valley View, Pa. Fireproof, 2 stories and basement. Preliminary plans in progress.

Library, Selinsgrove, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Susquehanna University, care of Senator Steel, Northampton, Pa. Preliminary plans in progress.

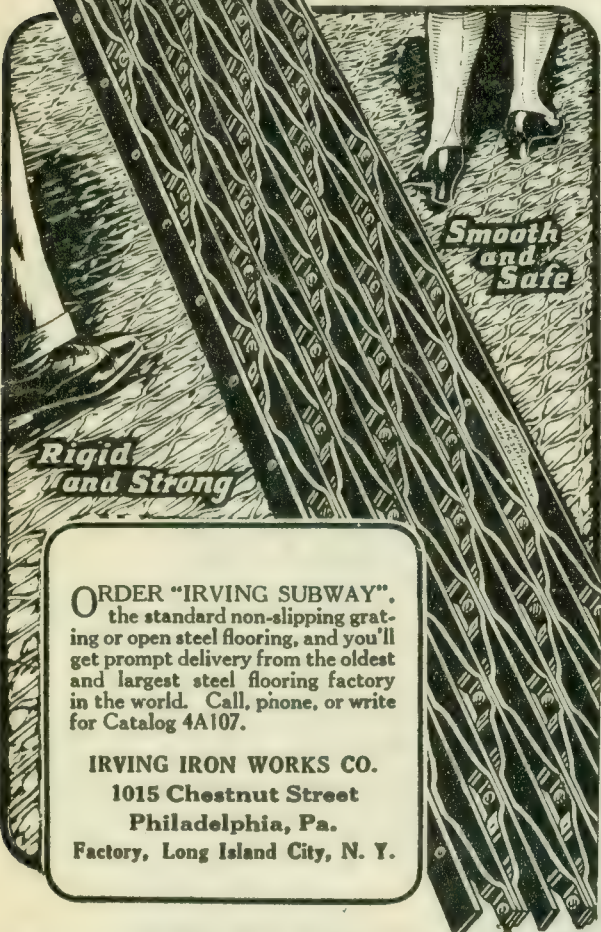
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always—When You Need
Gratings—*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
FLOORING

Bank (add. and alts.), Huntingdon, Pa. Architect, T. H. Hamilton, Patriot Building, Harrisburg, Pa. Owners, Grange Trust Co., Harry Reed, president, Huntingdon, Pa. Brick, 2 stories. Plans in progress.

Theatre, Hanover, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, Hanover Theatre Co., care of architects. Semi-fireproof, 2 stories, 50x230 feet, Barrett roof, composition and tile floors, hollow tile, roof ventilators, ornamental iron, iron stairs, fire doors, steel sash, tile, marble and terrazzo (heating, plumbing and electric separate). Plans in progress.

Store Building, Old River road and Marlborough avenue, Wilkes-Barre, Pa. Architect, R. M. Herr, Miners' Bank Building, Wilkes-Barre, Pa. Owner, Fearon B. Bell, 247 South Franklin street, Wilkes-Barre, Pa. Brick, steel, 1 story and basement, 40x50 feet. Plans in progress.

Armory, Wilkes-Barre, Pa., \$350,000. Architect, T. H. Atherton, 139 South Main street, Wilkes-Barre, Pa. Owners, State Armory Board, Harrisburg, Pa. Brick, stone, steel. Appropriation granted. Plans in progress.

Armory, Harrisburg, Pa. Owners, State Armory Board, Harrisburg, Pa. Appropriation granted. Architects not yet selected.

Armory, Carbondale, Pa. Owners, State Armory Board, Harrisburg, Pa. Appropriation granted. Architects not yet selected.

Elementary School, Reservoir street, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Lancaster School Board, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 2 stories, 203x96 feet, slate or Barrett roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, Indiana limestone, wrought iron pipe, iron or steel stairs, bond, fire doors, tile and marble, metal lath (heating, plumbing, electric separate). Owners will be ready for bids in two weeks.

West End High School, Gymnasium and Cafeteria (add.), Lancaster. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Lancaster School Board, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 3 stories, 146x200 feet, composition roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, architectural terra cotta, caststone, area gratings, wrought iron pipe, brass pipe, ornamental iron, iron stairs, bond, fire doors, steel skylights, tile and marble, metal lath, heating extension (heating, plumbing and electric separate). Owners will be ready for bids in two weeks.

Residence, Reifftown, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, P. Kauffman, Reifftown, Pa. Brick, 2½

stories, 27x38 feet, slate roof, hardwood floors, hot water heat, electric light. Owner taking sub-bids.

Store and Apartment, 47 West Lancaster avenue, Ardmore, Pa. Architect, John Charles Norton, Ardmore, Pa. Owners, Spitzler's Department Store, on premises. Brick, cast stone, 2 stories, 46x120 feet, slag roof, maple floors, roof ventilators, metal ceilings, waterproofing, hot water heat, electric light, tile and marble work, rolled steel sash and skylights, ornamental iron work. Plans in progress. Architect will take bids in 10 days.

Office Building and Stores, West Chester pike, Sharon Hill, Pa. Engineers and owners, Damon & Foster, 6932 Market street, Upper Darby, Pa. Brick, 4 stories, 40x100 feet, slag roof, steam heat, electric light. Engineers will take sub-bids on office building and on stores to follow.

Residences (300), Sharon Hill, Delaware County, Pa. Architect, not selected. Owner, Bernard Ruckdeschel, 901 Marlyn road, Philadelphia. 17½ acres, comprising of about 300 lots, sewers and street connections. Owner will take bids.

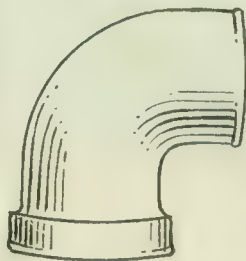
Stores (6) and Apartments, Highland Park, Pa. Architect, private plans. Owner, Roy L. Collins, Eagle road, Oakmont, Pa. Brick, steel, 2 stories and basement, 16x54 feet, slag roof, oak and pine floors, hot water heat, electric light, metal lath. Owner taking sub-bids due as soon as possible.

Garage, Montgomery avenue, Haverford, Pa. Architects, Carrere & Hastings, 52 Vanderbilt avenue, New York. Owner, Mrs. S. Lewis Ziegler, Haverford, Pa. Brick, stucco, limestone, 2 stories and basement, 92x25 feet, black slate roof, cement and pine floors, hollow terra cotta block, plumbing, waterproofing and dampproofing, area gratings, iron pipe, ornamental iron work, floor hardener, tile work, metal lath, electric light, hot water heat. Architect taking bids due August 8th.

School, Southampton, Pa. Architect, private plans. Owners, Board of Education, Mrs. J. W. Noble, secretary, Southampton, Pa. Plumbing, heating, electric separate bids, 4 rooms. Certified check, \$200. Owner taking bids due August 10th, 8.30 P. M. (Standard Time).

Administration Building, Manoa and Darby roads, Brookline, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owners, Commissioners of Haverford Township, Oakmont, Pa. Brick, limestone, steel, 2½ stories and basement, 88x52 feet, wing 33x27 feet, gypsum and asbestos roof, cement floors, hollow tile, metal lath, tile, marble and terrazzo work, bond, iron stairs, ornamental iron work, bronze work, rubberstone

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

**TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING**

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

tile floors. Architects taking bids due August 22nd.

Office Building, Sixty-ninth and Walnut streets, Upper Darby, Pa. Architects, Tunis & Baker, 1600 Arch street, Philadelphia. Owners, Delaware County Real Estate Board, W. A. Loomes, Upper Darby, Pa. Brick, limestone, granite, steel, 2 stories and basement, 44x115 feet, slag roof, maple and linoleum floors, vapor vacuum heat, oil burners, metal lath, tile and marble work, fire doors, ornamental iron work, area gratings. Architects taking sub-bids due as soon as possible.

Hall Remodeling (alts. and add.), Darby, Delaware County, Pa. Architect, Carl P. Berger, 1512 Walnut street, Philadelphia. Owners, Loyal Order of Moose, No. 847, Darby, Pa. Brick, steel, 2 stories and basement, 117x48 feet, asbestos shingle and slag roof, cement and oak floors, plumbing, roof ventilators, metal ceilings, ornamental iron work, iron stairs, wrought iron pipe, copper skylights, metal lath, tile work, steam heat, mineralite floors. Architect taking bids due August 8th.

Grade School, Fifth and Spruce streets, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, Reading School District, George Beggs, president, Eighth and Washington streets, Reading, Pa. Brick, concrete, 2 stories and basement, 230x208 feet, composition roof, maple, cement block and composition flooring, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, bond, steel sash and skylights, tile work (heating, plumbing and electric separate). Owners taking bids.

Residence (add.), Villa Nova, Pa. Architect, R. W. Mecaskey, Otis Building, Philadelphia. Owner, J. Weir Sargent, Villa Nova, Pa. Brick, 2 stories, 15x15 feet, shingle roof, pine floors, hot water heat, electric light. Architect taking bids due as soon as possible.

Residence (add. and alts.), Spring City, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, I. W. Gruber, Spring City, Pa. Stone, stucco, 2 stories, irregular size, slate roof, brick floors, tile work, general interior work. Architect taking bids due as soon as possible.

Stores (7) and Apartments (add. and alts.), Carlisle, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, R. H. Wenger, Carlisle, Pa. Brick, 3 stories, 30x90 feet, slag roof, pine floors, vapor heat, electric light, tile work, steel sash, iron stairs, casement windows. Owner taking bids due August 5th.

Sewage Treatment Plant, Allentown, Pa. Engineers, Metcalf & Eddy, Statler Building, Boston, Mass. Owners, Bureau of Sewage Disposal Plant and Sewers, City of Allentown, Malcolm W. Gross, Mayor, 301 Central Fire and Police Station, Allentown, Pa. Deposit, \$50 (refunded). Certified check, \$12,500. Bond, \$300,000. Owners taking bids due August 16th at 9.30 A. M. (Eastern Standard Time).

Public Library (add. and alts.), Reading, Pa. Architect, Alexander F. Smith, 811 West Penn street, Reading, Pa. Owners, City of Reading, C. H. Hunter, Fifth and Franklin streets, Reading, Pa. Brick, cut stone, 2 stories, 25x45 feet, tin roof, pine floors. Low

bidder: William E. Spatz, American Cas. Building, Reading, Pa.

Klines Island Sewage Treatment Works, Sub-sturture, Allentown, Pa. Architects, Metcalf & Eddy, Boston, Mass. Owner, City of Allentown, M. W. Gross, Allentown, Pa. Reinforced concrete, 78x431 feet, sewers, concrete pipe, wood piles. Owner taking bids due August 12th.

Road Work, Pennsylvania. Owners, Pennsylvania Dept. of Highways, Harrisburg, Pa. Low bidders: July 29th letting. Monroe Co., A-3760A, Jackson township, bituminous surface, treated macadam surface course, Chas. A. MacDonald, 809 N. 63rd street, Phila., \$52,534.40. Blair Co., R-55, Blair, Frankstown, Allegheny and Logan townships., Hollidaysburg Borough. One course reinforced concrete, Clark Bros. Const. Co., Cherry Tree, Pa., \$167,907.16. Adams Co., R-231, Strabane township. One course reinforced concrete. John S. Teeter, Taneytown, Md., \$46,385. Beaver Co., R-76, Sec. 6, Bridgewater borough. One course reinforced concrete. C. B. Construction Co., Beaver, Pa., \$31,784. Northumberland Co., R-336, A-4928, Little and Mahanoy Townships. One course reinforced concrete. Eastern States Const. Co., Woodlawn, Pa., \$170,264. Columbia Co., R-239, A-4275, Mt. Pleasant, Madison and Greenwood Townships, Millville Borough. One course reinforced concrete. Field, Parker & Underwood, Commercial Trust Bldg., Philadelphia, \$220,669. Fayette Co., R-112, Sections 5 and 6, Menallen and S. Union Townships. One course reinforced concrete. Georges Construction Co., Uniontown, Pa., \$82,895. Warren Co., A-4014, Broken Straw Township, 17,341 feet. Bituminous surface, treated macadam surface course. J. C. Devine Co., Alliance, O., \$118,182. **Viaduct**, Indiana Co., R-262, Clymer Borough and Cherryhill Township over Lock Creek and the tracks of the C. T. & D. R. R. from Station 0/43.4 to Station 15/69.1. Reinforced concrete, structural steel. D. A. & W. E. Clark, Johnsonburg, Pa., \$92,309. **Bridge**: Huntingdon Co., R-121, over Black Log Creek, between Station 692/51.4 and Station 711/00. Reinforced concrete. Concrete Steel Bridge Co., Clarksburg, W. Va., \$39,

060.75. July 28th letting: Allegheny Co., R-70, Section 4c, O'Hara and Harmar Townships. One course reinforced concrete. Fort Pitt Const. Co., Pittsburgh, Pa., \$186,022.59.

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

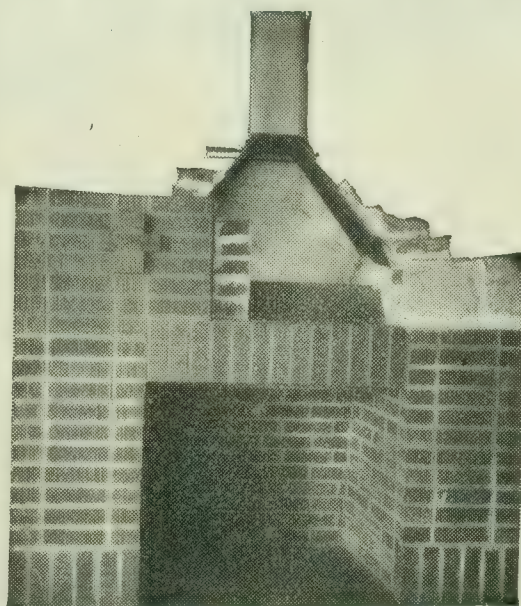
TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

PHILADELPHIA YESTERDAY & TODAY

THE March of Progress has made itself felt in Germantown at one of the busiest intersections. One of the corners of Cheltenham Avenue and Greene Street will soon be graced by the uptown store of Geo. Allen, Inc. This magnificent structure will add greatly to the beauty of this growing community.

THE VAN SCIVER CORPORATION

Producers and Distributors of Building Materials

EXECUTIVE OFFICES—THE PARKWAY AT 24TH STREET, PHILADELPHIA



Beaver Co., A-4746, Woodlawn Borough. One course reinforced concrete. Rinehart Bros., E. Liverpool, Ohio, \$85,219. Berks Co., R-381, A-3951, Exeter Township. One course reinforced concrete. Hutztown Const. Co., Kutztown, Pa., \$41,968.96. Erie Co., R-84, Waterford Borough. One course reinforced concrete. F. E. Winter, Erie Pa., \$25,582. Somerset Co., A-3130, Elk Lick Township. One course reinforced concrete. M. F. McCabe & Co., Rairmont, W. Va., \$7,545.90. Somerset Co., A-284, Elk Lick Township. One course reinforced concrete. M. F. McCabe & Co., Fairmont, W. Va., \$41,429.96. Westmoreland Co., R-68, Section 6, Salem Township. One course reinforced concrete. McPherson Bros., Edgeworth, Pa., \$76,629.07. The following held for further consideration: Dauphin Co., R-339, Berrysburg Borough, Mifflin and Lykens Townships.

Theatre (alts.), Norristown, Pa., \$25,000. Architect, Hoffman Henon, Finance Building, Phila. Owners, Garrick Theatre, A. Sabloskey, Norristown, Pa. New balcony, new promenade, organ chamber, waiting room, retiring room, new seats, tile and marble work, cement work, plastering, painting, glazing, carpentry and millwork, iron work, brick work. Architect sub-letting.

Pennsylvania Contracts Awarded

Church and Sunday School, Oakley avenue, Lawndale, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Phila. Owner, Lawndale Presbyterian Church, Lawndale, Pa. Brick, cut stone, steel limestone, 2½ stories and basement, 79x82 feet, variegated slate roof, oak and pine composition floors, bond, plumbing, area gratings, gas, ornamental iron work, iron pipe, metal lath, tile and marble work, metal toilet partitions. Contract awarded Thos. Trafford, 2339 N. 15th street, Phila.

Dormitory, Mercersburg, Pa., \$200,000. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Mercersburg Academy, Mercersburg, Pa. Brick, 3 stories, 42x110 feet, slate roof, steam heat, marble work, electric light. Contract awarded J. B. Ferguson & Co., Hagerstown, Md.

Garage, Jeffersonville, Montgomery County, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owners, School Board of West Norristown, H. J. Brown, Norristown, Pa. Brick, 1 story and basement, 34x87 feet, slate roof, cement floors. Contract awarded F. J. Schuler, Norristown, Pa.

Leanto Engine House Superstructure, South of Shamokin, Pa. Engineer, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Co., Twelfth and Market streets, Philadelphia. Brick, concrete, 1 story, 180x64 feet, 180x20 feet, leanto, slag roof, pine and cement floors, plumbing, architectural terra cotta coping, ornamental iron work, bond, fire and hollow metal doors, rolled steel and hollow metal sash, metal partitions. Inspection pits and foundations for engine house, grading, water supply, drainage bond, excavation, grading two 85-foot pits, reinforced concrete, wood water tank, cast iron pipe, wrought iron pipe, iron and steel. Contract awarded Hughes-Foulkrod Co., Schaff Building, Philadelphia.

High School, Paradise Township, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Paradise Township School Board, E. W. Denlinger, secretary, Paradise, Pa. Brick, steel, 1 story and basement, 130x120 feet, slate and composition roof, gum floors, safety treads (heating, plumbing, electric separate),

metal lath, tile work, fire doors, ornamental iron. Contract awarded to Christian Lichty, Paradise, Pa., \$53,308.50. Electric to A. Rutter, Paradise, Pa. Heating to Musselman & Schwarz, 130 North Christian street, Lancaster, Pa. Plumbing to J. H. Long, Strasburg, Pa.

Mill Building, Spring Mill, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Walker Brothers, Spring Mill, Pa. Brick, 1 story, 215x49 feet, Barrett built-up roof, cement floors, painting, glazing, carpentry and mill work, rolled steel doors, bond. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Home (alts. and add.), Warminster, Bucks County, Pa. Architect, private plans. Owners, Christ Home for Homeless and Destitute Children, Mr. Wurst, on premises. Carpentry, mill work, plastering, painting, glazing, hardware. Contract awarded Alexander Betcher, Hatboro, Pa., \$35,000.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, Dr. John Knight, care of architect. Brick, 2½ stories, 45x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, oil burner. Contract awarded to H. L. Wiant, 544 Mill street, Lancaster, Pa.

Church and School and Parsonage, Trainor, Pa., \$60,000. Architects, Bureau of Architects, Methodist Episcopal Church, Seventeenth and Arch streets, Philadelphia. Owners, Trainor Methodist Episcopal Church, C. D. Felton, Trainor, Pa. Brick, concrete, cut stone, steel, 2 stories and basement, irregular in size, slate roof, composition floors, painting, glazing, metal lath, hollow metal sash, kalamein doors, ornamental iron work, metal partitions. Contract awarded William Provost, Jr., Chester, Pa.

Residence and Garage, Noble Vista, Jenkintown, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owner, Dr. L. S. Walton, on premises. Brick, hollow tile, stucco, cut stone, 2½ stories and basement, 42x52 feet, garage, 24x18 feet, tile roof, pine, oak and cement floors, metal lath, tile and marble work, electric light (heating reserved), plumbing. Contract awarded D. W. Sperry, Jefferson Building, Philadelphia.

Residences (12 pair), Media, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, name withheld. Cinder block, frame, 2½ stories, 16x40 feet, 10x18 feet, asbestos shingle roof, hardwood floors, cement work, auto refrigeration, hot water heat, electric light, tile work. Contract awarded H. G. Morrison, 29 West Lancaster avenue, Ardmore, Pa.

Office Building, Woodland avenue and Philadelphia and West Chester Trolley Track, Springfield, Delaware County, Pa. Architects, Folsom, Staneon & Graham, 10 South Eighteenth street, Philadelphia. Owner, J. J. Dougherty, Upper Darby, Pa. Brick, steel, 1 story, 20x20 feet (plumbing, heating, electric reserved), slate roof, pine floors, metal lath, tile work, bond, ornamental iron work. Contract awarded E. Allen Reeves, Abington, Pa.

Church (alts.), Middletown, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, St. Mary's Roman Catholic Church, Rev. Father McLaughlin, Middletown, Pa. General alterations. Contract awarded to John Stapf, 2246 North Third street, Harrisburg, Pa.

Residence (alts.), Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Mrs. G. Pomeroy, care of architect. General alterations. Contract awarded to C. H. Schlegel, 528 Washington street, Reading, Pa.

Bridge No. 221, Worrell Bridge over Darby

Creek, Pa. County engineer, Media, Pa. Owners, Delaware County, G. T. Wades, Controller, Media, Pa. Contract awarded Knox Marianna, Ardmore, Pa., \$5,921.

Bank (add. and alts.), Waynesboro, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Citizens' National Bank, J. A. Frick, president, Waynesboro, Pa. Brick, steel, 1 story, 35x100 feet, slag roof, concrete floors, roof ventilators, metal window guards, bronze, steel sash and skylights, tile and marble, heating extension, electric work. Contract awarded to A. J. Etter, Waynesboro, Pa.

Stable, Rosetree, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, Dr. Fielding O. Lewis, on premises. Stone, steel, 2 stories, 73x23 feet, slate roof, electric light, ornamental iron work. Contract awarded J. Howard Roberts, Lansdowne, Pa.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Lycoming Co., R-20, Hepburn Township. One course reinforced concrete. Contract awarded to United Construction Co., Lock Haven, Pa., \$30,523.10. Susquehanna Co., R-468, A-4057, Apolaccon Township, Little Meadows Borough. One course reinforced concrete. Contract awarded to United Const. Co., Lock Haven, Pa., \$144,059.45. Bucks Co., R-281, Falls Township. One course reinforced concrete. Contract awarded Collins & Maxwell, Easton, Pa., \$66,980.05. Jefferson Co., R-357, A-3701, Ringgold Township. One course reinforced concrete. Contract awarded to J. B. Trexler, Lewistown, Pa., \$13,891.10. Clarion Co., R-218, Section 2, Elk and Beaver Townships, Edensburg Borough. One course reinforced concrete. Contract awarded Jos. McCarty Const. Co., Kaukauna, Wis., \$105,388.31.

New Jersey Construction News

Post Office, Millville, N. J. Architect, Jas. A. Wetmore, Treasury Dept., Washington, D. C. Owners, U. S. Treasury Dept., Washington, D. C. Owners taking bids due August 31st. Plans may be obtained from Custodian on site at Millville, N. J.

Armory, Dumont, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Company C, 104th Engineers, Military Board, State of New Jersey, State House, Trenton, N. J. Brick, steel, 2 stories, 80x100 feet, hollow tile, metal lath, steel sash, fire doors. Too early for details.

Residence (add. and alts.), Newtown, Pa. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Mr. Chambers, care of architect. Stone, 2 stories, irregular size, slate roof, hardwood floors, electric light, tile work. Plans in progress.

Store Front, 1102 Broadway, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owners, Davis & Weiss (on premises). Plate glass, copper work. Plans in progress.

Gas Plant Building, Millville, N. J. Architect, C. C. Cassell, 1100 East Main street, Millville, N. J. Owners, Millville Gas Co., Millville, N. J. Brick, 2 stories, 44x80 feet, slag roof. Plans in progress.

Vocational School, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Munro Coulter, secretary, City Hall, Camden, N. J. Brick, steel, fireproof, 2 stories and basement, 62x148 feet, 67x167 feet, (5) shops, 62x102 feet, slag roof. Plans ready for bidders.

Synagogue, Millville, N. J. Architect, C. C. Cassell, 1100 East Main street, Millville,

N. J. Owners, Millville Hebrew Association, Walter Scoble, president, Millville, N. J. Brick, cinder block, 2 stories, 33x61 feet, slag roof, pine floors, steam heat, electric light, auditorium. Owners ready for bids due August 15th.

Dining and Recreation Hall, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Independent Order of Odd Fellows of New Jersey, care of architect. Brick, 2½ stories, 1 story, 76x28 feet, 28x44 feet, slag roof, electric light. Architect taking bids due August 11th.

Apartment, Thirty-eighth and Myrtle streets, Camden, N. J. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Lester White, care of architect. Brick, block, 2 stories, 45x30 feet, Carey roof, oak, pine and treadlight floors, Warren Webster heat, electric light. Architect taking bids.

Residences (16), Garages (6), 3040-70 and 3045-73 Carman street, Camden, N. J., \$65,500. Owners, Davies Brothers, 1014 North Twenty-seventh street, Camden, N. J. Brick and block, 2 stories, 18x32 feet, garages, block, 1 story, 8 feet 8 inches x 18 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Residences (2), 1115-17 North Twenty-second street, Camden, N. J., \$7,000. Architect, private plan. Owner, Alfred Johnson, 6 Wyndam Place, Merchantville, N. J. Block, 2 stories, 14 feet 4 inches x 40 feet, Carey asphalt roof, warm air heat, electric light. Permit issued.

Service Station, Mt. Ephraim Entrance road, Camden, N. J., \$3,000. Architect, private plans. Owners, Atlantic Refining Co., Thirty-second and Passyunk avenue, Philadelphia. Brick, 1 story, 14x18 feet, slate roof. Permit issued.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Matawan Creek Bridge, Route 4, Section 34A, Monmouth County. Borrow, channel excavation, foundation excavation, wooden piles, concrete, reinforcing steel, structural steel, machinery. Single leaf bascule span 78 feet, 265 feet length. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due August 15th at 11 A. M. (Eastern Standard Time).

New Jersey Contracts Awarded

Franklin Street School Annex, Cape May, N. J. Architects, Edwards & Green, Camden, N. J. Owner, Board of Education, E. J. Jerrell, Cape May, N. J. Brick, reinforced concrete, 2 stories and basement, 83x25 feet, wing, 74x56 feet (plumbing, heating, electric, metal weatherstrip, separate), slag roof, cement and composition floors, metal lath, kalamein doors, bond, ornamental iron work, iron stairs, safety treads, metal weatherstrip, ceilings, water and dampproofing, cast stone, metal toilet partitions. Contract awarded Graham Chambley Co., 3649 Filbert street, Phila., \$51,888. Plumbing: Wm. H. Kentner, Wildwood, N. J. Heating: Baldwin Ventilating Co., 1509 Arch street, Phila. Electric: John S. Dalton, Millville, N. J.

Surrogate Office (alts.), Mt. Holly, N. J., \$17,200. Architect, H. O. Ziegler, Riverside, N. J. Owner, Board of Chosen Freeholders, Mt. Holly, N. J. Plastering, carpentry, millwork, hardware, treadlight floors, linoleum, painting, glazing, bronze tablets, alterations to heat and light, bond, metal lath, Venetian blinds. Contract awarded to T. G. Clatts, Mt. Holly, N. J. Plumbing: E. Camly, Burlington,

N. J. Heating: G. Orth, Riverside, N. J. Electric: E. S. Milligan, Mt. Holly, N. J. Administration Building and Court House bids rejected.

Church, Eighth and Woodland avenue, Camden, N. J. Architect, George Savage, Witherspoon Building, Philadelphia. Owners, Woodland Avenue Presbyterian Church, Camden, N. J. Brick, 1 story and basement, 40x80 feet, slate roof, pine floors, steam heat, electric light, iron work. Contract awarded J. D. Lawrence, Westville, N. J.

Home, Millville, N. J. Architect, C. C. Cassell, 1100 East Main street, Millville, N. J. Owners, Millville Aerie, F. O. O. E., William Parr, chairman, Millville, N. J. Brick, white brick front, cast stone trim, steam heat, electric light, oak and pine floors, rolling partitions, iron work. Contract awarded to Walter Husted, Millville, N. J.

Office (alts. and add.), Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, H. S. Maddock, 949 West State street, Trenton, N. J. Brick, 2 stories, slate roof, hardwood floors, general alterations. Contract awarded to N. Milgaten, 53 Spring street, Trenton, N. J.

Hospital (alts.), North Clinton street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Charles Private Hospital, care of architect. General interior alterations, linoleum floors, roof ventilators, ornamental iron, fire doors, steel sash, tile and marble work. Contract awarded to William C. Ehret, Trenton Trust Building, Trenton, N. J.

Camden Distribution Garage, Seventeenth and Stevens streets, Camden, N. J. Architects, Public Service Prod. Co., Newark, N. J. Owners, Public Service Electric & Gas Co., Camden, N. J. Brick, steel, 1 story and basement, 140x155 feet, slag roof, cement, steam heat, rolled steel sash, bond, iron stairs, ornamental iron work. Contract awarded Richard R. Gove, 1712 Ludlow street, Philadelphia.

Miscellaneous Construction News

Hotel, Corning, New York. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Corning Hotel Corp., Corning, N. Y. Plans completed. Architects ready for bids.

Residences (2), Thirty-second and Madison streets, Wilmington, Del., \$10,000. Architect, private plans. Owner, A. Ventresca, 1909 West Sixth street, Wilmington, Del. Brick, 2 stories, 20x33 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (14), Grant avenue, Wilmington, Del., \$6,000 each. Architects, private plans. Owners, Joyce & Kerrigan, Pennsylvania avenue and Franklin street, Wilmington, Del. Brick, 2 stories, 20x30 feet, slate roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Miscellaneous Contracts Awarded

Dormitory Building, Marshallton, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, Ferris Industrial School, Brindley road, Wilmington, Del. Structural steel, cinder block, brick, 3 stories, 38x55 feet, slate roof, cork and wood floors, hollow tile, roof ventilators, cut stone, waterproofing, bond, kalamein doors, steel

sash, tile and marble, metal lath (heating, plumbing, electric separate). Contract awarded to C. J. Dougherty, 2515 West Eighteenth street, Wilmington, Del.

Home Building, Wilmington, Del. Architects, Brown & Whiteside, DuPont Building, Wilmington, Del. Owners, Home of the Merciful Rest, Levering and Union streets, Wilmington, Del. Brick, steel, 2 stories and basement, 117x85 feet, slate roof, hardwood floors, tile and marble, iron stairs, casement windows. Contract awarded to W. D. Hadcock & Co., 804 Orange street, Wilmington, Del.

Store, 307 King street, Wilmington, Del., \$15,400. Architect, private plans. Owners, Lippincott & Co., 306 Market street, Wilmington, Del. Brick, 3 stories add., 87x24 feet, slag roof, yellow pine floors, electric light, painting, glazing. Contract awarded to Van Sant Brothers, Elmhurst, Del.

Garage, Lincoln street, Wilmington, Del., \$8,000. Owners, Biscoe & Co., 835 Orange street, Wilmington, Del. Concrete, brick, 34x100 feet, rubberoid roof, cement floors. Contract awarded to D. Fontana, 310 North Adams street, Wilmington, Del.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 26, 1927. Sealed bids will be received until 3 p. m. August 23, 1927, and then publicly opened for New Entrance Vestibule, etc., post office at Olean, N. Y. Drawings and specifications may be obtained from the Custodian of the Building or at this Office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 28, 1927. Sealed bids in duplicate will be received until 3 p. m., August 31, 1927, and then publicly opened for furnishing all labor and materials and performing all work for the construction of the United States Post Office at Millville, N. J. Drawings and specifications may be obtained from the Custodian of the site at Millville, N. J., or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 30, 1927.—SEALED BIDS will be opened in this office at 3 P. M., August 30, 1927, for the construction of the U. S. post office at Tarentum, Pa. Drawings and specifications may be obtained from the custodian, Tarentum, Pa., or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co., 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.
Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

Insurance Company of North America PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

PERSONAL POSSESSIONS

have an insurable value
all their own

It will cost you a very small amount
to insure against loss of personal effects
in transit, in club locker rooms, hotels
and public places—anywhere outside
your home.

Ask your agent for information about
North America Tourist Baggage Insur-
ance. You need not be a tourist to
benefit by this protection.

W. T. Hutcheson Garage, Hempstead, L. I., N. Y.
Oscar G. Orford, Architect-Contractor



ANTI-HYDRO Makes Concrete Garage Floors Permanently Waterproof and Wearproof

The concrete floors and foundation of this garage are permanently
hardened and waterproofed with "ANTI-HYDRO". The floors are so
hard that they are not affected in the least by water, oil, greases or the
wear from tire chains.

"ANTI-HYDRO" has been successfully used on every type of garage
from the smallest to the largest. A floor in the Automobile Club of
America building in New York, where cars are washed every day, is
directly over the handsomely decorated ballroom ceiling. "ANTI-
HYDRO" has so thoroughly waterproofed the one-inch topping on this
floor that not a single drop of moisture has ever appeared on the ceiling
below.

"ANTI-HYDRO" is a time and money saver. Being a liquid integral
compound, it mixes readily with the gauging water without the aid of
skilled labor. Twenty-three years of continuous use guarantee the perma-
nence of "ANTI-HYDRO" results. Use it on your next job.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING COMPANY

265-269 Badger Avenue - Newark, N. J.

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 32
August 10, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P.G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P.G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

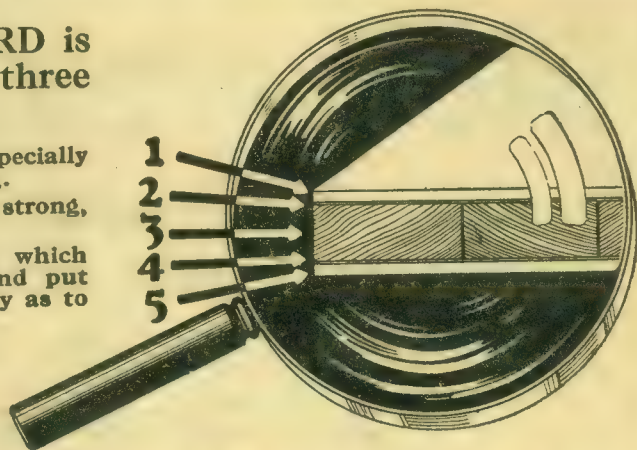
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY

WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered
right to your job by trucks is a time
and money saving method being adopted
by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

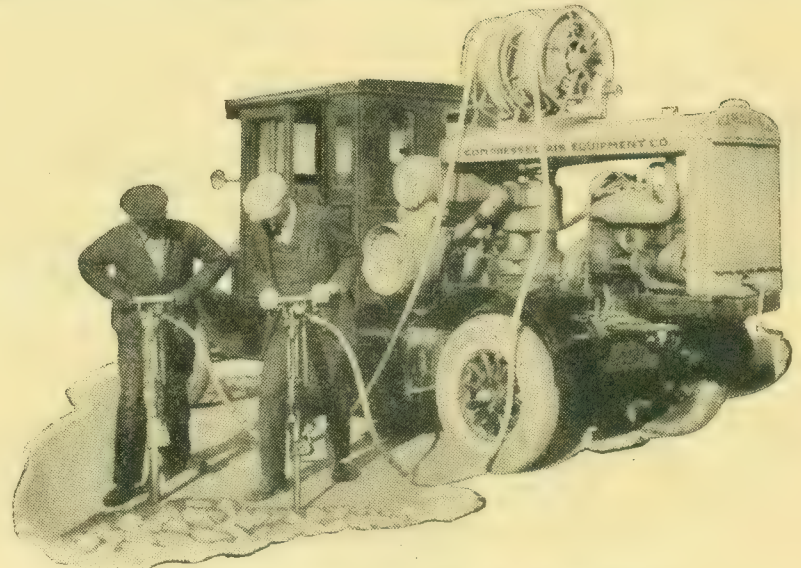
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Con-
crete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

**FABRICATED STEEL
IRON BARS**

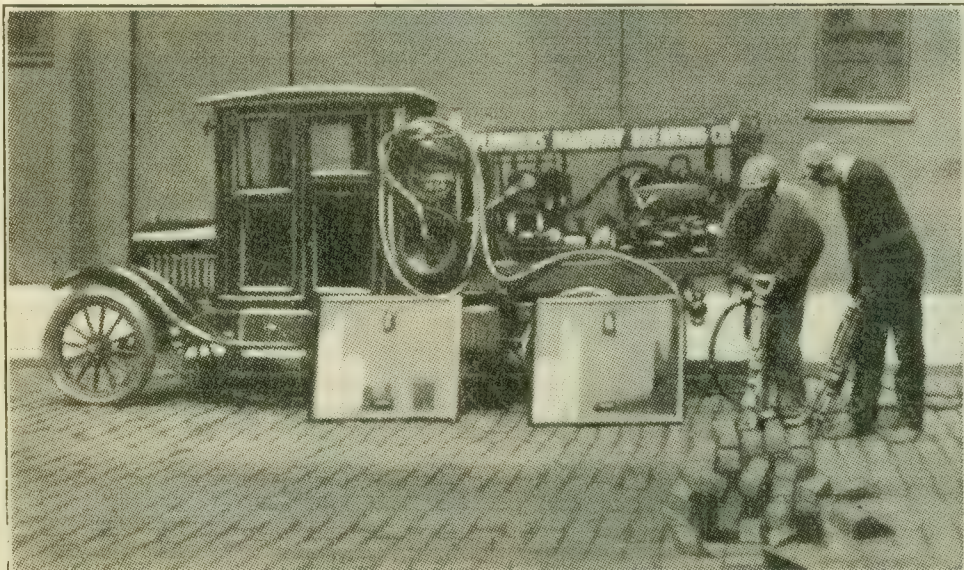
RICHARD DeCOU CO.
Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

SHEETROCK—BEAVER BOARD
GARAGE DOORS

CONTRACT and JOBBING TRADE
SUPPLIED

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES :

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Excavating

Steel
Erecting



Trench
Work

Car
Unloading

CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

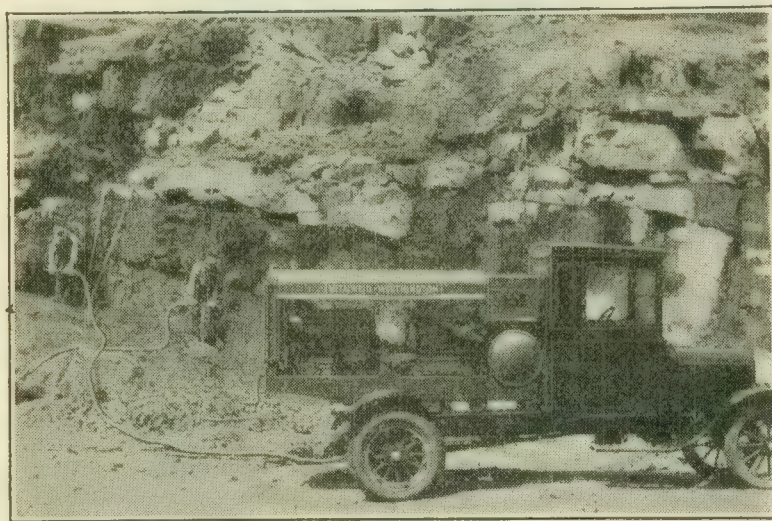
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIoga 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 32

August 10, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Home, Ridge avenue and Lauriston street, Roxborough, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Northern Home for Friendless Children, Twenty-third and Brown streets, care of W. R. Nicholson, Land Title & Trust Co., Philadelphia. Plans in progress.

Building, Northwest Corner Fifteenth and Sansom streets, Philadelphia. Architect, not selected. Owner, care of F. R. Gillinder, 133 South Twelfth street, Philadelphia. Size of lot, 36x107 feet. Work contemplated.

Store and Apartment, 1301-7 Pine street, Philadelphia. Architect, Guy B. Johnson, 237 North Sixteenth street, Philadelphia. Owner, William J. O'Brien, 1033 Walnut street, Philadelphia. Work contemplated. Details undecided.

Manufacturing Building, 501-7 Callowhill street, Philadelphia. Architect, not selected. Owners, Paper Manufacturers' Co., Inc., S. A. O'Neill, Fifth and Willow streets. Size of lot 85x87 feet. Work contemplated.

Boys' High School, Tenth and Luzerne streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Archdiocese of Philadelphia, D. Cardinal Dougherty, Eighteenth and Summer streets, Philadelphia. Brick, steel, 4 stories and basement, 320x220 feet (plumbing, heating, electric separate), slag roof, cement floors, plumbing, roof ventilators, architectural terra cotta, area gratings, bond, iron work, fire doors, rolled steel sash and skylights, tile

work, metal lath. Plans nearly completed.

Church (alts. and add.), Third and Wharton streets, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owners, St. Casimir's Church, Rev. Joseph J. Kaulakis, 324 Wharton street, Philadelphia. Plans in progress.

Home Building, Northeast Corner Seventh and Pine streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Joseph's Home for Homeless and Industrious Boys, Rev. T. Park, on premises. Brick, steel, 4 stories and basement. Plans in progress.

New Store Front, 632 Arch street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, L. B. Orlovitz & Co., Sixty-third and Arch streets, Philadelphia. Cast limestone, plate glass, painting and glazing, bronze letters, oak floors. Plans completed.

Convent and School, Opal and Medary Ave., Phila. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Benedict's Roman Catholic Church, Rev. W. C. Farrell, 2003 East Cheltenham avenue, Philadelphia. Stone, cut stone, steel and brick, 3 stories and basement, 113x41 feet, tile roof, pine floors, plumbing, metal weather strip, dampproofing, ornamental iron, iron stairs, tile and marble. Architect taking bids due Aug. 16th.

Mill Building, Clearfield and Rosehill streets, Philadelphia. Architect, not selected.

Owners, Thomas Halton's Sons, care of T. H. Halton, 1519 Mascher street. Lot 500x158 feet. Work contemplated.

Residences (182), Luzerne, K and L streets, Philadelphia. Architect, private plans. Owner, Joseph S. Silver, Penfield Building, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

School (alts.), 19th and Tioga streets, Phila. Architects, Hoffman-Henon Co., Finance Bldg., Phila. Owner, Church of Our Lady of the Holy Souls, Rev. J. A. Dougherty, on premises. Carpentry, millwork, plastering, painting, glazing, iron work, bond, demolition, brick work, tin clad doors, metal lath, concrete and cement work. Architects taking bids due as soon as possible.

Store, Cheltenham and Morris street, Phila. Architect, C. A. Ziegler, 1012 Walnut street, Phila. Owners, Pitcairn Company, Land Title Bldg., Phila. Architect taking bids due August 16th.

Gulf Building (add.), 225 S. Sydenham street, Phila. Architect, Eugene A. Stopper, 10 S. 18th street, Phila. Owner, Charles Kahn, Morris Bldg., Phila. Brick, reinforced concrete, steel, cut stone, 2 stories and basement and mezzanine, 75x20 feet, slag roof, oak and cement floors, elevators, plumbing, dampproofing gypsum block partitions, area gratings, bronze, wrought iron pipe, casement windows, fire doors, steel sash and sky-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

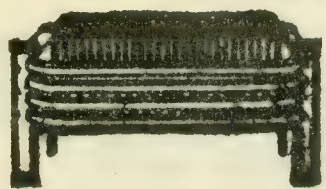
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

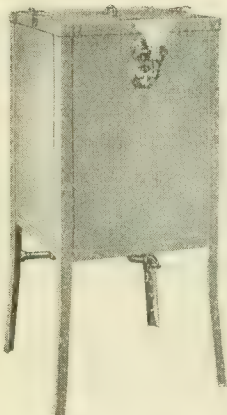


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. CO.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Coat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

lights, tile, marble and terrazzo, metal lath (heating and electric reserved). Architect taking bids due August 11th.

Loft Buildings (2), 450-52 N. 2d street, Phila. Architect, Benj. Shulman, 1722 Arch street, Phila. Owner, Mr. West, care of architect. Brick, concrete, 4 stories, 40x120 feet, slag roof, pine floors, (2) elevators, steam heat, electric light. Architect taking bids due Aug. 13th.

Residence (alts.), to Apartment and Stores. S. E. Cor. 45th and Chestnut streets, Phila. Architect, Louis V. Scherr, Drexel Bldg., Phila. Owner, Daniel Elgart, 3713 Spruce street, Phila. Brick, 3 stories, 20x100 feet, marble, hot water heat, electric light. Owner taking bids.

Sales and Service Building, Jenkintown, Pa. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, Ralph W. Cook, 250 South Eighteenth street, Phila. Brick, cut stone, steel, 2 stories, 222x50 feet, slag roof, cement floors, hollow tile, ornamental iron, bond, steel sash and skylights, tile and marble, metal lath, electric light, steam heat, oil burners. Architect taking bids due Aug. 15th.

Residences (600), Frankford avenue, Robins and Passamore street. Architect, private plans. Owners, John N. McGarvey, Lincoln Building, and C. G. Erny, Broad and Rockland streets, Philadelphia. Brick, steel, 2 stories. Plans in progress.

Church and Rectory, Luzerne street and M street, Philadelphia. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Nazareth Evangelical Lutheran Church, Rev. E. Totzke, 2963 Richmond street, Philadelphia. Stone, 1 and 2½ stories, 65x90 feet, slate roof, hardwood floors, tile and marble work. Plans in progress.

Alterations and Additions, 6308 Woodland avenue, Philadelphia. Architect, Sol. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Edward Fishman, on premises. Brick, steel, 2 stories and basement, 32x22 feet. Revised plans in progress.

Office Building (alts. and add.), Southwest Corner Second and Dock streets, Philadelphia. Architect, A. L. Brooks, Humphreys Building, Atlantic City, New Jersey. Owner, care of architect. Mill work, five stories, vapor heat, electric light, oil burners, metal lath, plastering, wood floors, elevators, new plumbing, iron stairs, general interior alterations. Plans in progress.

Residences (80), Maywood avenue, M and N streets, Philadelphia. Architect, private plans. Owners, Gale & Witty, Inc., N and Luzerne streets, Philadelphia. Brick, 2 stories, 16x47 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owners will build.

Apartment House (43 apartments), Southeast Corner Seventeenth and Summer streets. Architect, private plans. Owner, W. L. Murphy, 1517 Pine street, Philadelphia. Brick, cast stone, reinforced concrete, steel, 12 stories and basement, 30x63 feet, slag roof, oak and pine and rubber floors, elevators, roof ventilators, plumbing, cast stone, incinerators, area gratings, ornamental iron work, iron stairs, kalamein doors, rolled steel sash and skylights, tile work, metal lath, electric light, oil burners, vapor heat. Owner taking sub-bids due as soon as possible.

Apartment House, Wayne avenue and School Lane, Philadelphia. Architect, private plans. Owner, Marco Marks, 4739 North Tenth street, Philadelphia. Brick, 4 stories, steam heat, electric light, tile work, slag roof, hardware. Owner taking sub-bids.

Apartment House, 2027-35 Locust street, Philadelphia. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Charles J. McIlvaine, Jr., care of architect. Reinforced concrete, brick, steel, cut stone, granite, 19 stories, basement and pent house, 85x55 feet, slag roof, cement floors, elevators, plumbing, metal weather strip, membrane waterproofing and dampproofing, architectural terra cotta, wrought iron pipe, ornamental iron work, iron stairs, gypsum partitions, travertine work, cork floors, linoleum floors, hollow metal doors, rolled steel sash, marble and tile work, metal lath, vacuum heat, electric light. Architects taking bids due August 17th.

Bank Building (alts. to fifth floor), 925 Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, on premises. Hardware, carpentry and mill work, tile work, plumbing, electric. Architects taking bids due August 12th.

Church (alts. and add.), Broad and Butler streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Stephen's Church, Rev. Monsignor J. A. McCullough, on premises. Stone, limestone, granite, steel (heating, electric reserved). Revised plans in progress.

Apartment House, Forty-first and Baltimore avenue, Philadelphia. Architect, private plans. Owner, Samuel S. Silverman, Land Title Building, Philadelphia. Brick, 3 stories, slag roof, hardwood floors, steam heat, electric light, tile and marble work. Owner ready for bids.

Store, 6100 Ridge avenue, Philadelphia. Architects, Silverman & Levy, 313 South Medley street, Philadelphia. Owners, Roxborough Realty Co., care of S. and G. Felt,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired—Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

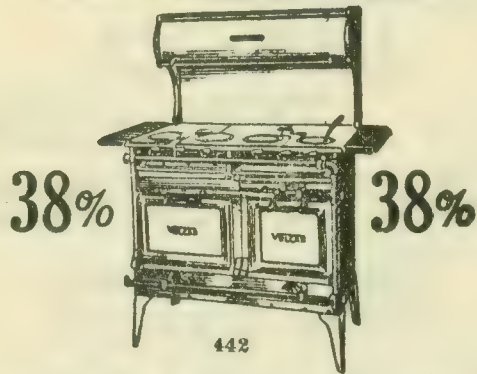
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

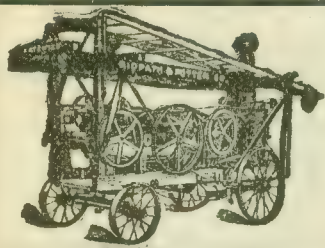
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

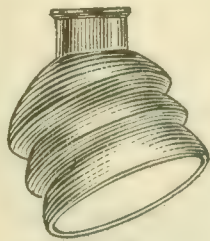


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

6168 Ridge avenue, Philadelphia. Architects taking bids due August 15th.

Factory, Reed street, Thirty-third to Thirty-fourth streets, Philadelphia. Architect, private plans. Owners, John G. Lorenz Corp., 1011 Chestnut street, Philadelphia. Brick, steel, 1 story, 50x270 feet, 40x100 feet, 30x100 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash. Owners taking bids due August 12th.

Residences (22), North side Mischner street, West of Limekiln pike, \$100,000. Architect, private plans. Owners, John J. Bateman & Sons, 5601 North Sixteenth street, Philadelphia. Brick, 2 stories, 16x30 feet, 12x12 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

Residences (6), South side Kenwyn street, West of Large street, Philadelphia. Architect, private plans. Owner, Louis Dietrich, 5931 Walker street, Philadelphia. Brick, 2 stories, 16x34 feet, 19x12 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

Residences (32), Roosevelt Boulevard and Pratt street, Philadelphia, \$161,000. Architect, private plans. Owner, Matthew Best, 5543 Loretto street, Philadelphia. Brick, 2 stories, 15 feet 10 inches x 32 feet, 13x20 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, West side Vaux street, North of Coulter street, Philadelphia, \$10,200. Architect, private plans. Owner, John A. McClatchey, Sixty-ninth and Chestnut streets, Philadelphia. Brick, 2 stories, 20x14 feet, 16x25 feet, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residence (add. and alts.), 205 South Forty-second street, Philadelphia, \$9,000. Architect, private plans. Owner, Edward W. Wilson, 205 South Forty-second street, Philadelphia. Brick, 3 stories, 22x14 feet, general alterations. Permit issued.

Storage Shed, East side Ridge avenue, North of Calumet street, \$5,000. Architect, private plans. Owners, Merck & Co., Inc., 916 Parrish street, Philadelphia. Frame, 45x99 feet. Permit issued.

Residences (20), Alcott street, North of Loretto street, \$81,000. Architect, private plans. Owners, John M. Snyder & Sons, Fourth and Nedro avenue, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 27 feet 8 inches, 12x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (18), 7200-34 Briar road, Philadelphia, \$81,000. Architect, private plans. Owner, Raymond G. Frick, 7100 Woolston road, Philadelphia. Brick, 2 stories, 15x38

feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, East side Twenty-ninth street, South of Hunting Park avenue, \$25,000. Architect, private plans. Owner, P. Litman, 2414 South Fourth street, Philadelphia. Brick, 2 stories, 98x70 feet, slag roof, cement floors, electric light. Permit issued.

Apartments (2), Southwest Corner Ogontz and Homer streets, Philadelphia, \$6,500 each. Architect, private plans. Owner, Max Chipin, 5701 North Seventeenth street, Philadelphia. Brick, 3 stories, 17x65 feet 9 inches, slag roof, hot water heat, electric light. Permit issued.

Residences (72), Stanley street, North of Tasker street, Philadelphia, \$255,400. Architect, private plans. Owners, Berlinger & Brenner, Thirtieth and Dickinson streets, Philadelphia. Brick, 2 stories, 16 feet 6 inches x 30 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (25), West side Sydenham street, South of Sixty-fifth avenue, Philadelphia, \$84,000. Architect, private plans. Owner, Joseph Cutler, Sixty-fifth and Sydenham streets, Philadelphia. Brick, 2 stories, 16x30 feet, 12x14 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (28), West side Palmetto street, South of Comly street, Philadelphia, \$118,600. Architect, private plans. Owners, Allan Const. Co., 1642 West Hunting Park avenue, Philadelphia. Brick, 2 stories, 15x24 feet, 11x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (26), East side Rutland street, North of Sanger street, Philadelphia, \$114,000. Architect, private plans. Owner, John W. Mortimer, 3024 E street, Philadelphia. Brick, 2 stories, 15x30 feet, 12x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, 343 East Price street, Philadelphia, \$75,000. Architect, private plans. Owner, Louis Enatsky, 4738 North Eleventh street, Philadelphia. Brick, 1 story, 160x157 feet, slag roof, cement floors. Permit issued.

Residences (10), West side M street, North of Luzerne street, Philadelphia, \$40,000. Architect, private plans. Owner, Townsend B. Young, M and Luzerne streets, Philadelphia. Brick, 2 stories, 15x28 feet, 11x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, 7515 Dicks avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Lewis Thornton, 8741 Laycock avenue, Philadelphia. Brick, 2 stories, 16x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

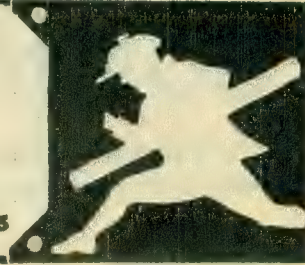
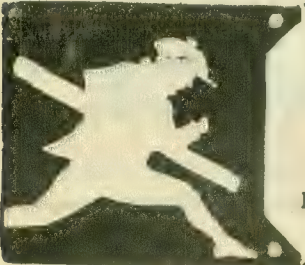
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Owners taking bids due August 11th. Asphalt repaving, smooth dressed granite block repaving, redress granite block repaving, paving gravel, etc. Certified check, 5 per cent.

Pennsylvania Railroad Work, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due August 12th. Contract No. 98, steel superstructure. No. 99, slag ballast. No. 100, crossings.

Branch Sewers, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Cherokee street, Mt. Pleasant to Durham street, Philadelphia, A. Bonitatibus, 300 West Mt. Pleasant avenue, Philadelphia, \$4,279. D street, Tabor to Ashdale, S. C. Garafola, 3626 North Sixth street, Philadelphia, \$6,053.50. Ditman street, Margaret, Northeast, Vitteri & Pontarelli, 523 West Rising Sun avenue, \$2,482. Francis, Devereaux to Levick, McCool Const. Co., 1914 North Twenty-third street, Philadelphia, \$4,959. Garland street, Tabor to Summitt, Southeast, P. Pinchiotti, Philadelphia, \$6,460. Hawthorne street, Orthodox to Dead End, A. Bonitatibus, 300 West Mt. Pleasant avenue, \$1,106.25. Josephine street, Orthodox to Plum street, V. Campelloni, 3856 North Tenth street, Philadelphia, \$1,352.10. Luzerne street, Rising Sun to Front street, A. Matteo, Philadelphia, \$1,040. Ontario street, Tulip to 195 feet East of Cedar street, A. Casciato, Philadelphia, \$898.50. Ontalauna street, Fifteenth to Sixteenth street, A. J. Henderson, Washington, East of Cheltenham avenue, \$2,055. Wheatsheaf lane and Frankford to Coral, J. Joseph McHugh, 1617 Race street, Philadelphia, \$781.50. Whitaker avenue, East side Courtland to Thelma, Mundy Paving & Const. Co., 226 South Warnock street, \$1,643.90.

Grading and Paving, Philadelphia. Low bidders. Owners, Department of Highways, City Hall. Aramingo and others, Duffin Brothers, Penn and Womrath streets, Philadelphia, \$17,542.87. Elsinon street and others, T. V. Monaghan, 2009 Sansom street, Philadelphia, \$13,330.04. Gerhard street, Ridge to Houghton street, M. Leewright,

Roxborough, Philadelphia, \$863.17. Gilman and Greely streets, S. C. Rotzell, Haines and Limekiln pike, \$8,702.68. Hashook, Cheltenham to Van Kirk, S. C. Rotzell, Haines and Limekiln pike, \$1,420.86. Ryan street, Lexington to Sandy Ford avenue, McCarrick Brothers, 3240 Fox street, Philadelphia, \$10,669.47. Duval street Musgrave to Ross, Mack Paving Co., Nicetown lane and C street, \$5,228.16. Gratz street, Medary street to point 277 feet, Municipal Paving Co., Second and Wingohocking, \$2,098. Herbert street, Salem street, Municipal Paving Co., Second and Wingohocking streets, \$4,103.94. Horrock street, Oxford to Dyre, Mack Paving Co., Nicetown lane and C street, \$3,103.08. Forty-seventh street, Chestnut to Walnut, Union Paving Co., Thirtieth and Locust streets, \$5,445. Jefferson street, Fifty-second to Fifty-third, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$15,188.45. Tulip, Allegheny and Westmoreland street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$5,724.40. Allegheny and Sedgley street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$37,309.28. Market street, track area, etc., Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$75,981.71. Panama street, Eighteenth to Nineteenth streets, C. G. Centrone, Bailey Building, Philadelphia, \$3,113. Spring Garden street, Broad to Twenty-second street, Union Paving Co., Thirtieth and Locust streets, \$34,818.49. Thirty-first and Thirty-second streets, Mazzola & Mariana, 739 South Seventh street, Philadelphia, \$15,357.30. Fifty-second street, Lancaster to Parkside avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$18,746.55. Ninth street, Spring Garden to Green, Union Paving Co., Thirtieth and Locust streets, \$5,116.55. Sixty-seventh street, Overbrook avenue to City Line, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$5,882.50. Repairs to bridges, Calco Steel & Iron, 1330 North Thirtieth street, \$1,843. Asphalt paving mixtures, Eastern Asphalt Co., 1600 Arch street, Philadelphia, \$19,215. Paving alleys, J. Joseph McHugh, 1617 Race street, Philadelphia, \$5,750.60. Second District, M. & J. B. McHugh, 892 North Markoe street, \$5,731.44.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Club (alts.), Broad and Master streets, Architect, Leroy B. Rothchild, 215 S. Broad St., Phila. Owners, Mercantile Club, on premises. Demolition, carpentry, millwork, metal toilet partitions, plumbing, marble work. Contract awarded to John Schnabel, Inc., Abbott Bldg., Phila.

Residences (2), Island Road, S. of Buist Ave., Phila. Architect, private plans. Owner, Meyer Saltman, 75th and Buist Ave., Phila. Brick, 2 stories, 15x35 feet; 12x25 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to I. Kaplan, 7904 Eastwick Ave., Phila.

Gas Station, S. Side Roosevelt Blvd., E. of

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of

GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

Hood Tile Is Good Tile

ROOFING TILE AND QUARRIES

PHILADELPHIA ELECTRIC CO.

AND

DREXEL & CO.

INSTALLS ON THE ROOF OF THEIR NEW BUILDINGS

HOOD'S PYRO-TYNT

PROMENADE TILE

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.

PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

MANUFACTURED BY

B. MIFFLIN HOOD BRICK CO
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA

INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

CASUALTY
FIRE
INSURANCE

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

SURETY
BONDS

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

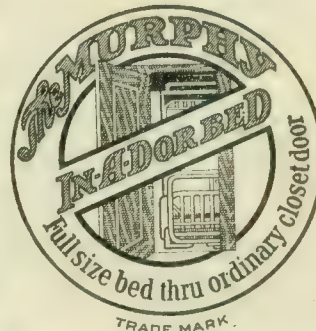
Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private homes
and are equipped with coil, box or fabric springs



Write for our descriptive literature or
display rooms. See our all porcelain
equipment and Murphy cabinet ironing
well as samples of the Murphy

THE MURPHY DOOR BED

512 Bulletin Building
Philadelphia
Penna.

Berk
19 Wes
N

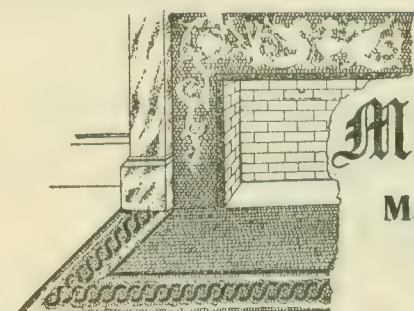
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

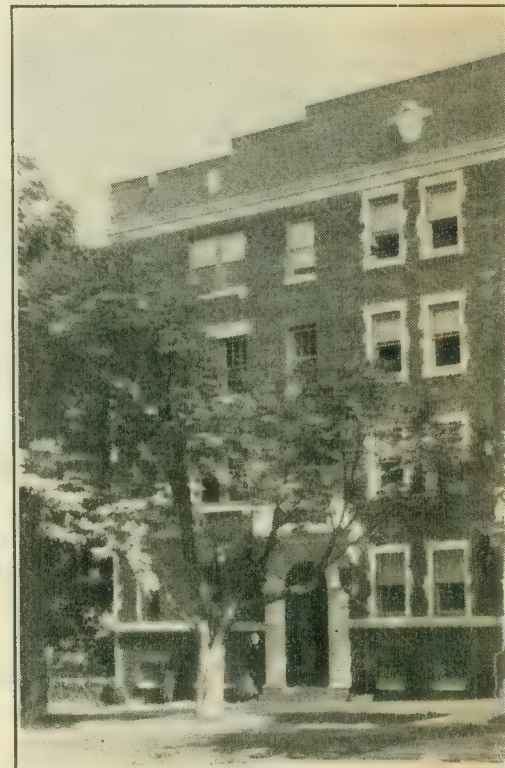
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Comfortable
Building. The firms
recognized Standard and
Services. Avail yours
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant

Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON STONETEX

Protects Masonry Surfaces

Examine your concrete or stucco walls. If hairline
the surfaces should be immediately waterproofed by applying

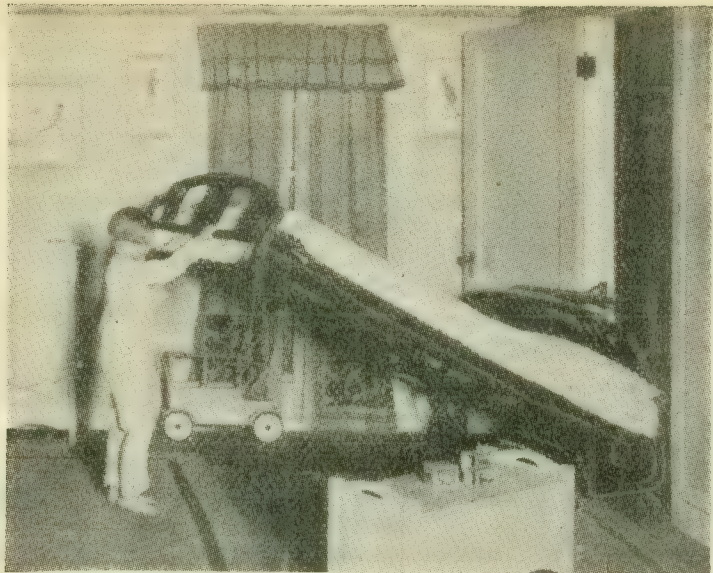
If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

EDS

nes
ngs
all at our
n kitchen
boards as
eds

CO.
Building
4th Street
York
BED



A child can operate the bed

Portable, Convenient
here represented sell
Specified Materials or
of their co-operation.



NETEX

faces

s are beginning to show,
ruscon STONETEX.

the concrete is spalling
oped by the application

prevent moisture
covers the surface
lat. It does not
asonry.



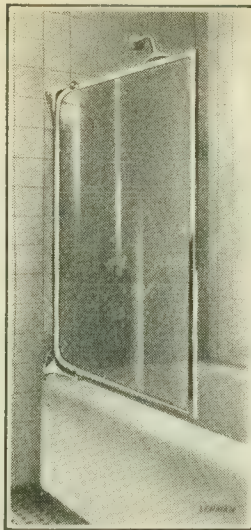
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAY SHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Penway street, \$4,000. Architect, private plans. Owners, Dinneman & Fineman, 303 E. Roosevelt Blvd., Phila. Brick, 1 story, 12x19

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

**PILES, FOUNDATIONS
CAISSONS**
 ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
 1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

**Reinforced Concrete
and Cement Work**
 Get our estimate first on
 "THAT CEMENT JOB"
FREDERICK MASSIAH
 S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
 BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

feet. Contract awarded to Atlantic Ref. Co., 260 S. Broad street, Phila.

Apartment (alts.), S. W. Corner 51st and Walnut streets, \$3,000. Owners, Maloney Estates, 111 N. Broad street, Phila. General alterations. Contract awarded to Wm. Humphrey, 1306 Mt. Vernon street, Phila.

Sales and Service Building (add.), Broad and Thompson streets, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Robert-Nash Co., on premises. Brick, granite, stone, 5 stories and basement, 160x52 feet, Parrett specification roof, cement floors, hollow tile, elevators, plumbing, cast stone, ornamental iron work, floor hardener, bond, Peele and hollow metal doors, rolled steel skylights, hollow metal sash, tile, marble work, metal lath, steam heat, electric light, metal lath, metal toilet partitions. Contract awarded J. S. Rogers Co., Drexel Building, Philadelphia.

Home Building, Belmont avenue, Philadelphia. Architect, Charles Z. Klauder, Franklin Bank Building, Philadelphia. Owners, Edwin Forrest Home, care of W. E. Herring, 126 North Twelfth street, Philadelphia. Brick, reinforced concrete, steel, limestone, 2½ stories and basement, 127x65 feet, slate and tile roof, cement floors, hollow tile, architectural terra cotta, bluestone, area gratings, ornamental iron work, bond, rolled steel sash, tile, marble and terrazzo work, metal lath, electric light, steam heat, plumbing, kitchen equipment, metal partitions. Contract awarded W. R. Dougherty, 1610 Sansom street, Philadelphia.

Store and Apartment (alts. and add.), 800 West Somerset street, Philadelphia. Owner, David Kline, on premises. Plumbing, heating alterations, electric light, slag roof, composition and hardwood floors, carpentry and mill work, metal ceilings, plastering. Contract awarded Edward Smith, Jr., 5722 North Thirtieth street, Philadelphia, who is taking sub-bids due at once.

Residence (alts.), 329 South Eighteenth street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Dr. Bertolet, on premises. Plastering, marble and oak floors, carpentry and mill work, brick work, skylights, painting, glazing, hardware. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Shop Building (add.), Allien and Arch streets, Philadelphia, \$20,000. Architect, private plans. Owner, Samuel Yellin, 5520 Arch street, Philadelphia. Brick, steel, 2 stories and basement, 100x35 feet, slag roof, cement and pine floors, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Residence (alts. and add.), 32 Summitt avenue, Chestnut Hill. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Samuel A. Crozier, care of Stroud Co., 1429 Walnut street, Philadelphia. Membrane waterproofing, bond, stone work, brick work, concrete, cement work, cut stone, limestone, flagstone, ornamental iron work, hollow metal sash, hardware, carpentry and mill work, painting, glazing, metal lath, plastering. Contract awarded J. Morrow, 8624 Germantown avenue, Philadelphia.

Alterations, 2121 Cherry street, Philadelphia. Architects, Druckenmiller & William, Otis Building, Philadelphia. Owner, Albert Oldach, on premises. Demolition, excavation, stone work, concrete and cement, brick work, cut stone, iron work, stair work, plastering, painting, glazing, slag roof, metal windows, plumbing, electric work, steam heat. Contract awarded Simon Kaplan, 243 South Sixty-second street, Philadelphia.

Store Building, Germantown avenue and Chelton avenue, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, Edward A. Schmidt, on premises. Brick, steel, limestone, 2 stories and basement, 80x96 feet, slag roof, pine, oak and cement floors, plumbing, steam heat, electric light. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Store (alts.), Northeast Corner Ninth and Filbert streets, Philadelphia. Architect, A. R. Lacey, 1012 Walnut street, Philadelphia. Owner, Arnold Schwab, on premises. Contract awarded Isaac Manin, 5226 Berks street, Philadelphia.

Fire Repairs, 1459 Spring Garden street, Philadelphia. Architects, Edwards & Hoffman, 315 South Fifteenth street, Philadelphia. Owner, George Melloy, on premises. General fire repairs. Contract awarded Robert E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Residence (alts. and add.), Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, J. A. McCurdy, on premises. Stone, garden walls, tile work, plastering, carpentry, mill work, painting, glazing. Contract awarded W. J. Ryder, 1725 Sansom street, Philadelphia.

Office (second floor), Northwest Corner Ninth and Market streets, Philadelphia. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, Dr. Charles G. Algase, Tenth and Market streets, Philadelphia. Electric work, metal lath, plastering, hardware, linoleum floors, plumbing, carpentry and mill work. Contract awarded W. O. Springer, 2004 Naudain street, Philadelphia.

Apartment House, Foulkrod and Leiper streets, Philadelphia, \$250,000. Architect, private plans. Owner, P. J. Baral, care of Baral Hardware & Heating Co., 1022 West Columbia avenue. Brick, cut stone, steel, 4 stories and basement, slag roof, steam heat, electric light, metal lath, tile work, oak, pine and cement floors, tile work, fire doors, bond, ornamental iron work. Contract awarded John N. Gill Const. Co., City Center Building, Philadelphia.

Apartment House, Rising Sun avenue and Roosevelt Boulevard, Philadelphia. Architect, private plans. Owner, P. J. Hannigan, on premises. Brick, limestone, steel, 4 stories

Radiator Cabinet Company
 SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

and basement, 209x75 feet, slag roof, oak, pine and cement floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded W. W. Anstine, Frankford and Oxford street, Philadelphia.

Repairs (fire damage), 1705 Chestnut street, Philadelphia, \$5,000. Owner, name withheld. Plumbing, electric work, carpentry and mill work, painting and glazing, plastering, slag roof. Contract awarded Murphy-Quigley Co., 1518 Sansom street, Philadelphia.

Store and Rooming House, 5162 Thompson street, Philadelphia, \$21,000. Architect, private plans. Owner, F. J. William Oustrom, 5160 Thompson street, Philadelphia. Brick, 3 stories, 30x35 feet, 30x44 feet. Contract awarded to W. S. Gore, 1506 Latimer street, Philadelphia.

Garage (add.), 3051-53-55 North Franklin street, Philadelphia, \$9,000. Architect, private plans. Owner, Oliver H. Jones, on premises. Brick, 2 stories, 47x66 feet, slag roof, cement floors. Contract awarded to Joseph E. Foster, 4938 North Smedley street.

Residence, 406 Lemonte street, Philadelphia, \$8,000. Architect, private plans. Owner, George Shirley, 8900 Ridge avenue, Philadelphia. Brick, 2 stories, 20x33 feet, 10x5 feet, hot water heat, electric light. Contract awarded to Adam Wilkinson, 439 Harmon road, Philadelphia.

Residence, South side Eastwick avenue, West of Eighty-fifth street, Philadelphia. Architect, private plans. Owner, John Lavinsky, care of builder. Brick, 2 stories, 16x38 feet, slag roof, pine floors. Contract awarded to Charles Ruth, 8802 Eastwick avenue, Philadelphia.

Residence (add.), 300 West Highland avenue, Philadelphia, \$3,500. Owner, Mrs. W. F. Read, on premises. Brick, 2 stories add., 15 feet 10 inches x 7 feet 6 inches. Contract awarded to Alexander Case, 48 East Chestnut avenue, Philadelphia.

Apartment House, Northwest Corner Tioga and Carlisle streets, \$25,000. Architect, private plans. Owner, Celia Ominsky, 2318 North Twenty-ninth street, Philadelphia. Brick, 4 stories, 25x90 feet, slag roof, hardwood and pine floors. Contract awarded to Hyman Greenberg, 2543 North Hollywood street, Philadelphia.

Grandstand, Northwest Corner Twenty-ninth and Cambria streets, Philadelphia, \$22,000. Owners, Northeast High School, Eighth and Lehigh avenue, Philadelphia. Reinforced concrete. Contract awarded to H. E. Baton Co., 1713 Sansom street, Philadelphia.

Residences (2), Rockwell street, North of Bleigh street, Philadelphia, \$9,000. Architect, private plans. Owner, Mrs. M. Gransback, Royersford, Pa. Brick, 2 stories, 15x38 feet, slag roof, pine floors, hot water heat. Contract awarded to M. Stevens, 7334 Oxford avenue, Philadelphia.

Apartment House (alts.), 2015 Spruce street, Philadelphia, \$7,500. Owner, Dr. Alvin Siegal, on premises. General alterations. Contract awarded to Hood & Gross, 1535 Chestnut street, Philadelphia.

Auto Laundry (add.), Chew street, North of Phil-Elena, \$4,000. Owner, A. Leibovitz, 1112 Franklin Trust Building, Philadelphia. Brick, 1 story add., 34x60 feet. Contract

awarded to E. C. Haldeman, 1112 Franklin Trust Building, Philadelphia.

Residences (2), 8320-22 Chelwynde avenue, Philadelphia, \$10,000. Architect, private plans. Owner, Walter A. Jettors, 8318 Chelwynde avenue, Philadelphia. Stone, brick, 2 stories, 16x45 feet, hot water heat, electric work. Contract awarded to Henry H. Pairs, 8318 Chelwynde avenue, Philadelphia.

Residence (add.), West side Summitt avenue, South of Bethlehem pike, \$9,865. Architect, private plans. Owner, M. L. Crozier, Summitt street, South of Bethlehem pike, Philadelphia. Brick, stone, 1 story add., 15 feet 6 inches x 30 feet. Contract awarded to John Morrow, 8624 Germantown avenue, Philadelphia.

Store and Residence (alts.), Northwest Corner Kensington and Womrath street, \$8,800. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. General alterations. Contract awarded to P. Haibach Cont. Co., 1261 North Twenty-sixth street, Philadelphia.

Residence, South side Mt. Airy avenue, East of Stenton avenue, \$8,000. Architect, private plans. Owner, Mrs. Albert Merchant, Mt. Airy avenue, Philadelphia. Brick, 3 stories, 25x29 feet, 9x12 feet, hardwood and pine floors. Contract awarded to Elmer Phillips, 7202 Oxford avenue, Philadelphia.

Apartment House, 504 North Sixty-third street, Philadelphia, \$7,200. Architect, private plans. Owner, Ray E. Seyler, Inc., 6307 Girard avenue, Philadelphia. Brick, 3 stories, 24x140 feet, slag roof, electric lighting. Contract awarded to L. H. Crossan, Manoa, Pa.

Residence, Store and Garage, 2130 West Toronto street, Philadelphia, \$6,000. Architect, private plans. Owner, A. Juliano, on premises. Brick, 2 stories, 14x78 feet, garage, 1 story, 22x21 feet, slag roof, pine and cement floors, hot water heat, electric work. Contract awarded to Daintolo & D'Andua, 2329 West Somerset street.

Store and Office (alts.), Northeast Corner Frankford and Girard avenues, \$2,380. Owner, Philip Freeman, on premises. General alterations. Contract awarded to D. Wittenberg, 1519 North Thirty-third street, Philadelphia.

Residence, Southwest Corner Ripley and Loretta street, Philadelphia, \$8,000. Architect, private plans. Owner, F. J. Burkhart, Castor road and Rhawn street, Philadelphia. Contract awarded to Harry Goepel, 5619 North Third street, Philadelphia.

Residence, South side Convent road, West of Jackson street, Philadelphia, \$4,000. Architect, private plans. Owner, Charles Ryan, 1705 Kinsey street, Philadelphia. Frame, 2 stories, 24x40 feet, steam heat, electric light. Contract awarded to Malchor McCabe, Convent lane and Torresdale avenue, Philadelphia.

Garage, Southeast Corner Ridge and Manayunk avenues, Philadelphia, \$3,000. Architect, private plans. Owner, Mrs. S. A. Mustin, 5226 Ridge avenue, Philadelphia. Brick, 1 story, 19x10 feet, slag roof, cement floors. Contract awarded to Frank J. Smith, 331 Lyceum avenue, Philadelphia.

Residence, South side Avalon street, West of Legion street, Philadelphia, \$3,000. Architect, private plans. Owner, Jacob Gumsenhowser, Northeast Corner Trenton and York streets, Philadelphia. Frame, 1 story, 20x26 feet, pine floors, hot air heat, electric work. Contract awarded to William Foster, 5119 Oakland street, Philadelphia.

Residence and Store (add. and alts.), 2701 East Clearfield street, \$2,500. Architect, private plans. Owner, John Rozanski, 3052 Salmon street, Philadelphia. Brick, 1 story add., 15x21 feet, general alterations. Contract awarded to Walter Garinski, 3127 Cedar street, Philadelphia.

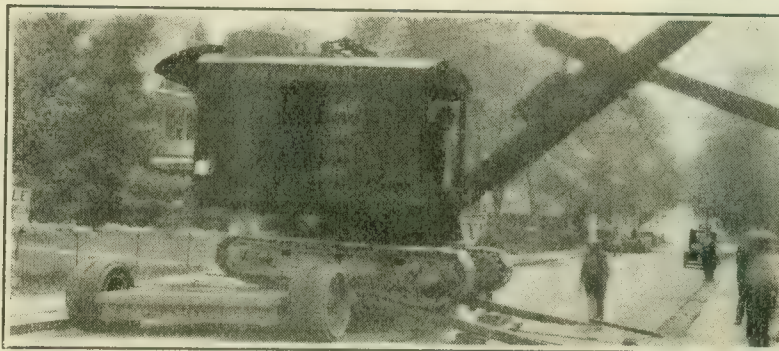
Pennsylvania Construction News

College Buildings, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, State College, William Hetzel, president, State College, Pa.

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Engineering building, \$300,000; hospital, \$86,000; poultry plant, shop, barn, milk room add., \$50,000; gym, \$450,000; chemical laboratory, \$200,000; administration building, \$500,000; dormitory building, \$250,000. Preliminary plans in progress.

Laboratory and Boiler Shop, Eddystone, Pa., \$500,000. Architect, not selected. Owners, Eddystone Mfg. Co., Eddystone, Pa. Work contemplated.

Industrial Building, near Bridgeport, Pa. Architects, Franklin & Conner, Otis Building, Philadelphia. Owners, Hutchinson Mfg. Co., Bridgeport, Pa. Hollow tile, steel, concrete,

1 story, 140x90 feet, slag roof, cement and pine floors, hollow tile (heating, electric reserved), plumbing, steel doors, rolled steel sash, iron work, iron pipe. Owners will build and will sublet.

Sales and Service Building, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Klein Motor Co., 12 North Eleventh street, Allentown, Pa. Fireproof, 1 story, 85x220 feet, slag roof, concrete floors, dampproofing, waterproofing, ornamental iron, steel sash, tile, electric light. Architects will be ready for bids in one week.

Theatre, Office Building and Stores, Seneca and Duncomb streets, Oil City, Pa., \$600,000. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Drake Realty Co., G. J. Veach, Oil City, Pa. Brick, terra cotta, 2 stories, 220x150 feet, slag roof, hollow tile, steam heat, electric light, tile and marble work, architectural terra cotta, ornamental iron work. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia, will take sub-bids.

Residences (60) and Garages, Yeadon, Delaware County, Pa. Architect, private plans. Owners, Darnell Homes, Inc., care of 808 Land Title Building, Philadelphia. Frame, stucco, 2 stories, 16x48 feet, slate roof, hardwood floors, electric light, tile work. Owners will build.

Residences (32), Yeadon, Delaware County, Pa. Architect, private plans. Owners, Shapiro & Reed, 5320 Walnut street, Philadelphia. Frame, stucco, 2 stories, 16x30 feet, slag roof, hardwood floors, electric light, tile work. Owners ready for sub-bids.

Hospital (Buildings A and B), Bryn Mawr, Pa. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, Bryn Mawr Hospital, Bryn Mawr, Pa. Excavation, reinforced concrete, waterproofing and damp-proofing, cement floors, granite, marble work, brick work, carpentry and mill work, cabinet work, tile, slate and terrazzo work, 6 stories and basement, 15x046 feet, 3 stories and basement, 83x46 feet, wing 44x206 feet. Stone & Webster, Real Estate Trust Building, taking bids due August 15th.

Residence, Ardmore, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, William H. Wilson Co., 1617 Walnut street, Philadelphia. Brick, 2 stories, 79x27 feet, shingle roof, hardwood floors, vapor heat, electric light, tile and marble work. Owners taking bids.

Mansion House (alts. and add.), West Chester, Pa. Architect, Andrew Sauer, Schaff Building, Philadelphia. Owner, Mrs. S. Hillbinzer, West Chester, Pa. Carpentry and mill work, painting, glazing, plastering, plumbing, metal lath, hardware, tile, marble work, heating, electric alterations, sheet metal work, iron work. Architects taking revised bids due as soon as possible.

Residence (alts. and add.), Manoa and Burlington road, Delaware County, Pa. Architect, Howard S. Atkinson, 1048 South Ithan street, Philadelphia. Owner, T. F. Donnelly, care of Delaware River Lighterage Co., Bullitt Building, Philadelphia. Stone work, iron work, cement work, carpentry and mill work, hardware, plastering, metal lath, painting, glazing, dampproofing, electric work, hot water heat, plumbing. Owner taking bids due as soon as possible.

Church and Sunday School, Main street and Boundary avenue, Scranton, Pa., \$30,000. Architects, H. L. Cain and A. N. Dobbins, 1718 Cherry street, Philadelphia. Owners, Bradley Memorial Methodist Episcopal Church, Rev. J. R. Crompton, Scranton, Pa. Frame, 1 and 2 stories. Owners taking bids due August 12th.

Residence Development, Mill Creek, Ardmore, Pa. Architect, Richard Kerns, 109 South Twenty-second street, Philadelphia. Owners, Wynnewood Realty Co., 109 South Twenty-second street, Philadelphia. Brick, stone, half timber, 2½ stories, various sizes, slate and shingle roof, hardwood floors, steam heat, electric light, tile and marble work. Plans in progress.

Residence (alts. and add.), Melrose, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Thomas Develon, Jr., on premises. Frame, 2½ stories and basement, 10x15 feet, 11x6 feet, roofing (match present roof), stone work, brick work, cut stone, cement and concrete, reinforced concrete, sheet metal work, carpentry and mill work, plastering, metal lath, painting, glazing, tile and marble, plumbing, electric work, heating (steam), bluestone, flagstone, iron work, oil burner. Architect taking bids due August 12th.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due August 12th at 10 A. M.

Beaver County, R-76, Sec. 4B, Monaca Borough, 830 feet. One course reinforced concrete. Certified check, \$500.

Blair County, R-53, Hollidaysburg Borough, 1,204 feet. One course reinforced concrete. Certified check, \$500.

Butler County, R-214, Butler Township and Butler City, 3,009 feet. One course reinforced concrete. Certified check, \$1,000.

Chester County, R-147, West Chester Borough, West Goshen Township, 4,017 feet. One course reinforced concrete. Certified check, \$1,000.

Cambria County, R-525, A-4240, Lower Yoder Township, 9,002 feet. One course reinforced concrete. Certified check, \$500.

Chester County, R-131, East Marlboro and Kennett Townships, 11,880 feet. One course reinforced concrete. Certified check, \$2,000.

Clarion County, A-4421, Beaver Township, 10,166 feet. One course reinforced concrete. Certified check, \$2,000.

Dauphin County, R-1, Susquehanna Township, 2,615 feet. Grading and drainage. Certified check, \$500.

Erie County, R-496, Sec. 2, Fairview Township, 6,789 feet. One course reinforced concrete. Certified check, \$1,500.

Elk County, R-97, Ridgway Borough, 1,004 feet. Bituminous surface course. Certified check, \$500.

Greene County, R-110, Sec. 3, Franklin Township, 3,330 feet. One course reinforced concrete. Certified check, \$1,000.

Huntingdon County, R-55, Alexandria Borough, 2,552 feet. One course reinforced concrete and bituminous concrete on a broken stone base. Certified check, \$500.

Indiana County, R-228, Indiana Borough, 3,902 feet. One course reinforced concrete or bituminous surface course. Certified check, \$1,500.

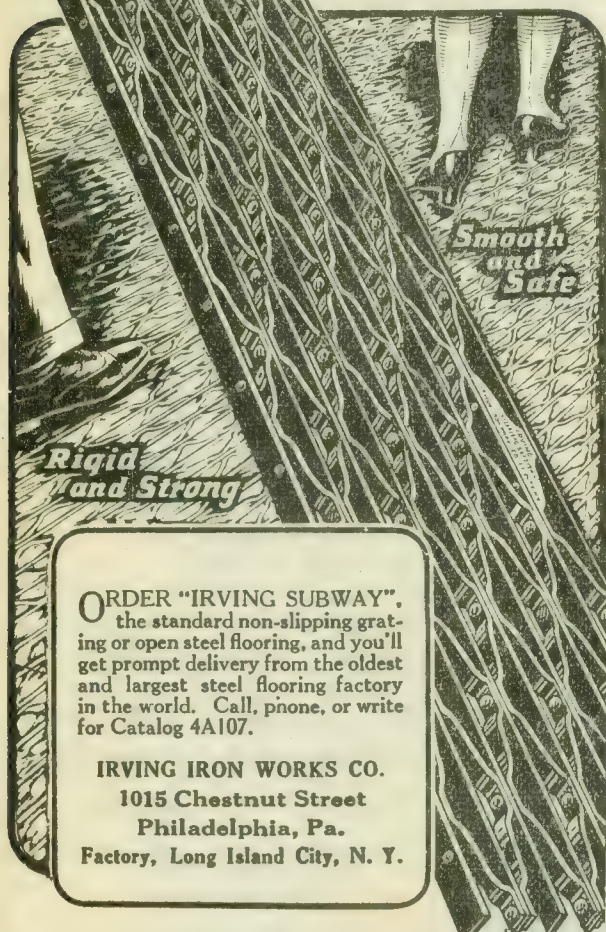
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always—When You Need
Gratings—*



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

Bell Telephone

JOHN W. LEWIS
**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Lackawanna County, A-4356-57, Dalton Borough, Abington Township, 8,107 feet. One course reinforced concrete. Certified check, \$1,500.

Luzerne County, A-3802, Black Creek Township, 25,425 feet. Grading and drainage. Certified check, \$2,500.

Lycoming County R-355, Wolf Township and Hughesville Borough, 11,068 feet. One course reinforced concrete. Certified check, \$2,000.

Northumberland and Union Counties, R-460, Delaware and Gregg Townships, 4,373 feet. One course reinforced concrete. Certified check, \$1,500.

Washington County, R-545, Sec. 2, Independence Township, 4,865 feet. One course reinforced concrete. Certified check, \$1,000.

Westmoreland County, R-120, Sec. 10 and 1D, Hempfield Township, 9,054 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, A-4638, Franklin Township, 3,000 feet. One course reinforced concrete. Certified check, \$1,000.

Residences (12), Elkins Park, Pa. Architect, A. F. Gilbert, 358 Fifth Avenue, New York. Owners, Broderick Firesafe Homes Assn., 358 Fifth Ave., New York. All steel. Stanley Makepiece, Room 1517, 1201 Chestnut street, Phila., will proceed with construction.

Theatre and Stores, East Liberty, Pa. Architects, Hoffman-Henon Co., Finance Bldg., Phila. Owners, Stanley Co. of America, 1916 Race street, Phila. Brick, limestone, Steel, 1 story and balcony and mezzanine. Plans nearly completed.

Laying Force Mains, Harrisburg, Pa. Owners, City of Harrisburg, Depart. of Public Safety, Bureau of Water, Dr. S. F. Hassler, Supt., Harrisburg, Pa. Furnishing and laying 36-inch force main from West side of P. R. R. at North street, through railroad property to State street, and following State street to Cameron street, thence on Cameron street to North street and on North street and extensions to State street, at 13th street to 15th street. Excavation, fill, seeding, reinforcing steel, concrete. Owners taking bids due Aug. 15th at noon (P. S. T.). Certified check, 10%, bond 25%. Deposit of \$20.00 (refunded).

Drainage System, Kingston, Pa. Owners, Borough of Kingston, Luzerne County, Pa., Chas. H. Blochberger, Secretary, 284 Wyoming Avenue, Kingston, Pa. Engineers, J. H. & W. L. Lance, 2nd National Bank Bldg., Wilkes-Barre, Pa. Reinforced concrete box conduits, laying lines of vitrified clay pipe. Owners taking bids due August 15th at 7 P. M. Deposit, \$10.00.

Pennsylvania

Contracts Awarded

Glenside Theatre, Glenside, Pa. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Glenside Realty Co., Glenside, Pa. Brick, architectural terra cotta, cut stone, cement work, dampproofing, ornamental and light iron work, kalamein doors, carpentry work, plumbing, steam heat, bond, granite, metal lath, area gratings, slag roof, roof ventilators. Contract awarded W. John Stevens, Wyneote, Pa.

Patients' Building, Seventeenth and Chew streets, Allentown, Pa. Architects, Ruhe & Lange, 12 North Sixth street, Allentown, Pa. Owners, Allentown Hospital Association, F. B. Germerd, president, Seventeenth and Chew streets, Allentown, Pa. Brick, steel, limestone, granite, 4 stories and basement, 156x50 feet, Barrett specification roof, cement and linoleum floors, hollow tile, safety treads, roof ventilators, waterproofing, cast stone, cinder concrete block, steel shelving, metal partitions, ornamental iron, iron stairs, terrazzo work, metal lath. Contract awarded to Butz & Clader, 519 Hamilton street, Allentown, Pa., \$306,506.

Apartment House, Drexel Hill, Pa. Architect, private plans. Owner, name withheld. Brick, steel, 4 stories and basement, 36x118 feet, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work, ornamental iron work. Contract awarded Gordy Brothers, Otis Building, Philadelphia.

Residence, Jenkintown, Pa. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owner, Millard Merz, 1337 Chestnut street, Philadelphia. Carpentry and mill work, stone work, tile and marble work, sheet metal work, plastering, stone, electric, painting, glazing, linoleum floors, alterations to roof. Contract awarded Hesswin Co., 2047 Arch street, Philadelphia.

Consolidated School, Cornwall, Lebanon County, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, District of Cornwall, Lebanon County, Pa. Contract awarded Rapp Const. Co., Lebanon, Pa. Heating, Robert Kilmoier, Lebanon, Pa. Electric, Conestoga Elec. Co., Lancaster, Pa. Plumbing, Paul Fisher, Robersonia, Pa.

Residence (alts. and add.), Wynnefield, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, S. S. Newman, on premises. Carpentry and mill work, plastering, painting, glazing. Contract awarded S. H. Levin, Elrae Building, Philadelphia.

Plumbing and Drainage, Delaware County Jail, Media, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Delaware County, G. A. Wades, Controller,

Media, Pa. Contract awarded B. L. Marker, Chester, Pa., \$8,994.

Nurses' Home, Hanover, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, General Hos-

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

**JOHN E. LINGO & SON
CAMDEN, N. J.**

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

pital, C. Y. Brough, Hanover, Pa. Brick, reinforced concrete, cut stone, steel limestone, granite, 2 stories and basement, 76x36 feet, slag roof, hot water heat, electric light, metal lath, tile and marble work, cement, oak and pine floors, metal weather strip, waterproofing, fire doors, bond, floor hardener, ornamental iron work, wrought iron pipe, plumbing. Contract awarded W. J. Klunk, Hanover, Pa.

Residence, Wynnewood, Pa. Architect, John W. Heyes, Otis Building, Philadelphia. Owner, Walter Gibbs, care of architect. Stone, steel, 2½ stories and basement, 90x28 feet, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, painting, glazing, plumbing, slate roof, oak, pine and cement floors. Contract awarded J. E. Kearney, Wynnewood, Pa.

Bridges (2), Delaware County, Pa. Owners, Commissioners of Delaware County, Media, Pa. No. 68, Naylor Run Bridge awarded C. A. McDonald, 809 North Sixtythird street, \$18,517. No. 135, Fourth Street Bridge, awarded Knox Mariana, Ardmore, Pa., \$2,743.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Washington County, R-268, Sec. 7A, Elco Borough, East Pike Run Township. One course reinforced concrete. Contract awarded to Mosteller & Virgin, Wilkesburg, Pa., \$66,553.75.

Lancaster County, R-138, Penn and East Hempfield Townships. One course reinforced concrete. Contract awarded to Swanger & Fackler Const. Co., Inc., Lancaster, Pa., \$78,256.27.

Cumberland County, R-40, Carlisle Borough, North Middleton Township. One course reinforced concrete. Contract awarded to George I. Thompson Co., Clearfield, Pa., \$54,729.08.

Washington County, R-118, Sec. 1-A, Fallowfield Township. One course reinforced concrete. Contract awarded to Jones Const. Co., Belleville, Pa., \$36,380.21.

Franklin County, R-35-36, Chambersburg Borough. One course reinforced concrete. Contract awarded to George I. Thompson Co., Clearfield, Pa., \$115,968.44.

Westmoreland County, A-4361, Unity Township. One course reinforced concrete. Contract awarded to Gray Brothers, Youngstown, Ohio, \$155,889.

Dauphin County, R-339, A-4345, Berrysburg Borough, Mifflin and Lykens Townships. One course reinforced concrete. Contract awarded to Lincoln Const. Co.

"Camouflage" doesn't pay in advertising. Don't call your cannon a bit of landscape. Be honest and gain the confidence of the public.

New Jersey Construction News

Hospital Building, Pershing and Sheridan streets, Camden, N. J., \$1,000,000. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, City of Camden, Department of Public Health, Winfield S. Price, Mayor, City Hall, Camden, N. J. Plans in progress.

Apartment Building and Shop, Trenton, N. J. Architect, Walter Hankin, 224 East Hanover street, Trenton, N. J. Owners, Hulsander Mfg. Co., 8 North Stockton street, Trenton, N. J. Brick, 3 stories. Plans in progress.

Dormitories (4), School for Feeble Minded, Totowa, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, 2 stories. Plans in progress.

Apartment House and Garage, Atlantic City, N. J. Architect, A. B. Steelman, Guarantee Trust Building, Atlantic City, N. J. Owner, name withheld. Fireproof, steel, 2 stories, 62x38 feet, slag roof, hardwood and concrete floors, hollow tile, metal lath, tile work, electric light. Architect taking sub-bids.

Residences (add.), 205 Atlantic avenue, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Folks' Institute of Uelohash Branch and Shoshano Club, J. N. T. A., Inc., care of Hynn Freeman, 205 Atlantic avenue, Atlantic City, N. J. Brick, 2 stories, 39x40 feet, slag roof, maple floors, terra cotta, hot water heat, electric light, tile and marble. Owners will take sub-bids.

Apartments (12), Newark, N. J. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J., and 45 Branford Place, Newark, N. J. Owners, Apartment Hotel Co., care of architect. Brick, steel, concrete, 3 stories, 37x84 feet, slag roof, maple floors, hollow tile, iron stairs, tile and marble, metal lath, hot water heat, electric light. Architect taking sub-bids.

Residences (5), 3804-14 Myrtle avenue, Camden, N. J., \$20,000. Architect, Joshua C. Jefferies, 312 Market street, Camden, N. J. Owner, John Makel, 330 Collings avenue, Merchantville, N. J. Brick, 2 stories, 18x32 feet, asphalt roof, hot water heat. Owner will build.

Garage and Show Room, Haddon and Whitman avenues, Camden, N. J. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, Camden Motors Co., T. M. Coinbrooks, 525 Market street, Camden, N. J.

Brick, 2 stories. Architects will take bids in a few days.

Hospital, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Sister Alcantara, superintendent, Chambers and Hamilton streets, Trenton, N. J. Steel, brick, concrete, 4 stories, 170x44 feet, concrete slab roof, maple, concrete and terrazzo floors, hollow tile, elevators, safety treads, roof ventilators, metal window guards, ornamental iron, iron stairs, bond, fire doors, steel sash and skylights, tile and marble, metal lath (heating, plumbing and electric separate). Architect will be ready for bids in two weeks.

Grade School, Harlingen, Somerset County, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, School Board of Somerset County, Frank Hageman, Skillman, N. J. Frame, 1 story and basement, 3 rooms, shingle roof, maple floors, safety treads (heating, plumbing and electric separate). Owners taking bid due August 22nd.

Church, New Brunswick, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Highland Park Methodist Episcopal Church, Highland Park, N. J. Brick, reinforced concrete, 2 stories and basement, 50x70 feet, slate and composition roof, mineral floors, tile work, rolled steel sash, east stone. Architect taking bids.

Apartment House, Ventnor, N. J. Architect, A. F. Amodio, Commerce Building, Atlantic City, N. J., and 45 Branford place, Newark, N. J. Owner, T. J. Koury, care of architect. Brick, concrete, steel, 7 stories, 50x125 feet, tile and gypsum tile roof, waterproofing and dampproofing, iron stairs, electrical refrigeration, mica block partitions, tile and marble, oil burners, electric light. Architect taking bids due August 20th.

Vocational School, Browning road, between Marlton pike and Merchantville, Pensauken Township, Camden County, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, H. S. Coulter, Camden, N. J. Brick, reinforced concrete, steel, cut stone (plumbing, heating, electric and ventilating separate), composition, cement and maple floors, elevators, roof ventilators, metal window guards, parlock waterproofing, dampproofing, cast stone, incinerators, ornamental iron work, iron stairs, bond, steel and hollow metal doors, rolled steel sash, tile and marble work, metal lath, bronze tablets, gypsum partitions, steel lumber and partitions, hollow partition blocks, projected steel sash, Peele doors, holoreb and asphalt roofing, slag roof, acoustical plastering, iron frame greenhouse, 36x100 feet, administration building, 114x172 feet, 2 wings, 61x148 feet, 2 stories and basement, shop

On the Ground When Wanted

CLAUSEN
TERRA COTTA
**FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.**

A^N ambition to give your orders the kind of attention that will THOROUGHLY satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a REAL Service.

William H. Clausen
27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

buildings (5), 62x101 feet each, 2 stories. Certified check, 5 per cent. of the bid. Deposit, \$50, refunded. Owners taking bids due August 22nd, 7.30 P. M. (Daylight Saving Time).

Police Headquarters, Hamilton Township, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Hamilton Township Building Commission, care of architect. Brick, steel, 1 story, 50x100 feet, slag roof, concrete floors, metal window guards, dampproofing, jail equipment, steel sash, metal lath (heating, plumbing, electric separate). Architect taking bids due August 16th.

Grade School, Glassboro, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, C. Townsend, Glassboro, N. J. Cinder concrete block, stucco, 1 story and basement, 56x74 feet, wing 22x36 feet. Low bidders: J. D. Lawrence, Westville, N. J., \$14,694; electric, C. M. Parkehurst Co., Clementon, N. J., \$300; plumbing, J. A. Stanbach, Blackwood, N. J., \$977; ventilating, S. W. Peters, Woodbury, N. J., \$2,540; heating, American Heating & Ventilating Co., Schaff Building, Philadelphia, \$2,300.

Sewage Disposal Plant, Bridgeton, N. J. Engineers, Remington & Vosbury, Camden, N. J. Owners, City of Bridgeton, N. J. Low bidders: Mazzola & Marano, 739 South Seventh street, Philadelphia, Item No. 1, \$45,000; Item No. 3, \$191,800. Item No. 2, A. H. Lupton, Jr., Bridgeton, N. J., \$15,380.08.

New Jersey State Highway Work. Lowest bidders:

Bridge, Route 2, Bridgeboro, Burlington County, over Rancocas Creek, Eastern Eng. Co., 4 North North Carolina avenue, Atlantic City, N. J., \$346,668.11.

Route 17 South, Thorofare, Route 13, South of Lawrenceville. Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$18,374.30.

Route 5, Sec. 19, Dover Denville, Morris County. Charles F. Puff, Jenkintown, Pa., \$84,713.03.

Library Building, Wenonah, N. J. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Trustees of Wenonah Library, Wenonah, N. J. Stone, brick, cut stone, steel, 1½ stories and basement, 48x43 feet (plumbing, heating, electric reserved), variegated slate roof, cement, pine floors, metal weather strip, kalamein doors, flagstone, metal lath, tile work, rolled steel sash, casement windows, ornamental iron work, limestone. Revised plans in progress.

Theatre, Bridgeton, N. J. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, Stanley Fox Co., J. Fox, Riverside, N. J., and J. J. McGuirk, 1916 Race street, Philadelphia. Brick, reinforced concrete, steel, 1 and 2 stories and basement, 267x86 feet, gypsum tile roof, cement, oak and pine floors, roof ventilators, cast stone, wrought iron pipe, ornamental iron work, area gratings, sprinkler system, plumbing, rubber tile floors, kalamein doors, tile, marble and terrazzo work, metal lath, electric light, steam heat. Revised plans in progress.

Apartment House and Stores (3), Collingswood, N. J. Architect, H. H. Kline, 709 Chestnut street, Philadelphia. Owners, Lincoln Const. Co., care of H. Teitelman, 535 Federal street, Camden, N. J., and Ernest Miller, 1123 Langham street, Camden, N. J. Brick, steel, cast stone, 3 stories, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile and marble work, metal ceilings. Architect and owners taking bids.

Municipal Building, Haddonfield, N. J. Architect, Walter Williams Sharpley, 225 East Washington Square, Philadelphia. Owners, Borough of Haddonfield, Town Hall, Haddonfield, N. J. Brick, limestone, steel, 2 stories

and basement, 88x50 feet, slate roof, cement, mastic and pine floors, steam heat, electric light, metal lath, tile and marble work, bond, ornamental iron work. Owners taking bids due August 16th.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J.

Route 1, Sec. 7A, Mercerville-Hamilton Square, Mercer County. Unclassified excavation, ditch excavation, reinforced concrete pavement, storm drain.

Route 18, North Sec. 5, Englewood Cliffs-Alpine, Bergen County. Earth excavation, hard rock excavation, borrow, bituminous concrete surface, reinforced concrete pavement and (2) small span bridges. Owners taking bids due August 22nd, at 11 A. M. (Eastern Standard Time). Deposit of \$10. Certified check, 10 per cent.

Road Work, New Jersey. Owners, State Highway Commission, Broad Street Bank Building, Trenton, N. J. Sec. 14A, Route 1 Extension, Newark, N. J., viaduct on line of Avenue I, between a point 251 feet South of South street and a point 1,547 feet North of Haynes avenue, and other work in Newark, Essex County. Deposit, \$50 (refunded). Certified check, 10 per cent.

New Jersey Contracts Awarded

Bank, Riverton, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Cinnaminson Bank, Alexander Marcey, Riverton, N. J. Brick, stone, cut stone, reinforced concrete, 1 story, mezzanine and basement, 67x40 feet, slag roof, cement and pine floors, vapor heat, electric light, metal lath, tile and marble work, hollow metal doors, bond, casement windows, ornamental iron work, brass pipe, wrought iron pipe, bronze work, area gratings, cinder concrete block, plumbing, linoleum rubber tile floors, roof ventilators, waterproofing, cast stone, steel pipe. Contract awarded W. R. Dougherty, 1608 Sansom street, Philadelphia.

Factory (add.), Delair, N. J. Architect, private plans. Owners, Kieckhefer Container Co., Delair, N. J. Brick, steel, 2 stories, 421x120 feet, slag roof, cement floors, rolled steel sash. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia, who are taking sub-bids due as soon as possible.

Bank Building, Laurel Springs, N. J. Architect, Charles R. Peddle, 136 South Fourth street, Philadelphia. Owners, Laurel Springs Bank, Laurel Springs, N. J. Brick, granite, steel, 1 story, mezzanine and basement, 37x41 feet, slag roof (electric and heating reserved), cement floors, plumbing, metal lath, terrazzo work, rolled steel sash, bond, ornamental iron work, wrought iron pipe, area gratings, cinder concrete block, cast stone, waterproofing, wall finish. Contract awarded Bennett-McLaughlin Co., 3434 Sansom street, Philadelphia.

Branch Bank (alts.), West End, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Trenton Banking Co., care of architect. Marble front, bank screening, rubber and linoleum floors, metal window guards, tile, bronze, ornamental iron. Contract awarded S. W. Mather & Son, 300 Maple avenue, Trenton, N. J.

School (alts.), Woodland Manor, Delaware Township, Camden County, N. J. Architects, Edwards and Green, 548 Federal street, Camden, N. J. Owners, Joseph Hinchman School, Woodland Manor, Camden County, N. J. Changing room into toilet rooms. Con-

tract awarded Costanzo Brothers, 1540 Mt. Ephraim avenue, Camden, N. J.

Residences (8), 1472-87 Ormond avenue, Camden, N. J., \$32,000. Architect, Harold A. Allen, 526 Stenton street, Camden, N. J. Owners, George Tanner Corp., Wilson Building, Camden, N. J. Brick and block, 2 stories, 18x34 feet, slag roof, hot water heat. Contract awarded L. J. Robinson, 107 Westmont avenue, Haddonfield, N. J.

School, Oceanville, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owners, Galloway Township School Board, Arthur Lann, Cologne, N. J. Brick, stone, concrete, 1 story and basement, 46x96 feet, concrete roof, maple floors, safety treads, fire doors, metal lath (heating, plumbing and electric separate). Contract will be awarded to Smith & Rider, Absecon, N. J. Heating and plumbing to J. Parker, Cologne, N. J. Electric to H. C. Stockinger, Jr., 1136 Mediterranean avenue, Atlantic City, N. J.

School Work, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education, H. H. Young, secretary, Administration Building, Atlantic City, N. J. Fencing and curbing, New Jersey Avenue School. Alterations and addition, Monterey Avenue School. Alterations, Senior High School. Miscellaneous repairs, Illinois Avenue, Texas Avenue, Brighton Avenue and Richmond Avenue Schools. Contract awarded to Lam Building Co., Humphreys Building, Atlantic City, N. J.

Fire House, Hightstown, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Borough of Hightstown, Town Hall, Hightstown, N. J. Stone, cinder block, steel, 2 stories, 60x110 feet, slate roof, concrete and linoleum floors, hollow tile, roof ventilators, waterproofing and dampproofing, iron stairs, fire doors, steel sash and skylights, tile work, metal lath, vapor heat, electric work. Contract awarded Hibbs & LaRue, Morrisville, Pa., \$29,425. Structural steel, N. A. K. Bugbee, 206 East Hanover street, Trenton, N. J., \$5,125. Electric to Victor Rhome Elec. Co., 17 North Willow street, Trenton, N. J., \$612. Plumbing to Philip S. Slack, 211 Perry street, Trenton, \$599. Heating to Trenton Pl. & Htg. Co., 366 South Broad street, Trenton, N. J., \$3,098.

Residence, Watertown, N. J. Architect, J. Herbert Radey, Collingswood. N. J. Owner, John Webber, on premises. Electric light, 2½ stories, 40x40 feet, carpentry and mill work. Contract awarded William Gurlin, Clementon, N. J.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Concrete bridges over Jake's Branch and South Channel of Toms River at M. P. 47.5 and M. P. 48.0, Route 4, Ocean County. Contract awarded to Richards & Gaston, Somerville, N. J., \$199,957.

Route 5, Sec. 20, Morristown-Convent Station, Morris County. Contract awarded to Edward H. Ellis, Wilson Building, Camden, N. J., \$89,031.65.

Sec. 13, Route 1 Extension, Newark, N. J., Contract 7, viaduct, embankment and paving. Contract awarded to Bowe & Millimet, Inc., 988 Bergenline avenue, Union City, N. J.

Miscellaneous Construction News

Residence, Mangnasant Mountain, near Harrisonburg, Va. Architect, H. L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, Fred K. Betts, Jr., Harrisonburg, Va. Preliminary plans in progress.

Hotel, Bridgeport, Conn., \$750,000. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, American Hotel Corp., 25 West Forty-fifth street, New York. Plans in progress. Architect will take bids in about 3 weeks.

Hotel, Corning, N. Y. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Corning Hotel Corp., Corning, N. Y. Brick, reinforced concrete, steel, 5 stories and basement and pent house, 140x70 feet, precast gypsum and built-up roof, cement floors, hollow tile, elevators, safety treads, metal weather strip, integral and membrane waterproofing, architectural terra cotta, wall finish, gypsum block partitions, caentile, linoleum, iron stairs, ornamental iron work, bond, kalamein doors, metal lath, tile, marble and terrazzo work. Architects taking bids due August 22nd.

Convent and Academy Building, Syosset, Long Island, N. Y. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Sisters of Mercy, Syosset, Long Island, N. Y. Architect taking bids due August 16th.

Department Store (add.), Wilmington, Del. Architect, Wallace E. Hance, Equitable Building, Wilmington, Del. Owners, Singer Co., care of architect. Brick, steel, 3 stories and basement, 20x70 feet, slag roof, pine floors, tile and marble. Architect taking bids due August 12th.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Owners taking bids due August 24th at 2 P. M. Certified check, 10 per cent. Deposit, \$2. Contract 87, Little Creek-Leipsie, 6.54 miles. Excavation, borrow, broken slag surface course, gravel surface course, cement concrete pavement, Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, relaid pipe.

Contract 530, Broadkill Bridge Approaches, 1,347 feet. Excavation, borrow, cement con-

crete pavement, longitudinal metal joint, amiesite surface course.

Contract 92, Bellevue Quarry-Claymont, 2.08 miles. Excavation, borrow, rock excavation, broken stone base course, cement concrete pavement, premoulded bituminous expansion joint, cement concrete sidewalk, Class A concrete, cement rubble masonry, reinforcement, cast iron gratings, D. S. T. C. pipe, D. S. T. C. sewer, R. C. pipe, relaid pipe, concrete curb, woven wire guard rail.

Contract 93, Stanton-Lincoln Highway, 0.93 mile. Excavation, borrow, cement concrete pavement, longitudinal metal joint, longitudinal joint (non-metallic), corrugated metal pipe, R. C. pipe, relaid pipe, Class A concrete gutter, woven wire guard rail.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Low bidders on August 3rd letting: Contract 89, DuPont road-Lancaster pike to Kennett pike, 0.66 mile. D. E. O'Connell & Sons, Ridley Park, Pa., \$29,668.50.

Contract CS59, Columbia to Laurel-Sharp-town road, 1.54 miles. W. W. Truitt, Lincoln City, Del.; metal joint, \$44,529; 17M non-metal, \$44,221.67; slag-metal, \$43,905; 17 non-metal, \$43,497.67.

Miscellaneous

Contracts Awarded

Hazard Davis Ball Dormitory, Wellesley, Mass. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Wellesley College, Wellesley, Mass. Stone, brick, steel, 3 stories, 40x320 feet. Contract awarded Simpson Brothers Co., 166 Devonshire street, Boston, Mass.

Hospital, Wilmington, Del. Architects, York & Sawyer, 100 E. 42nd street, New York.

Owners, Physician & Surgeons Hospital, Wilmington, Del. Reinforced concrete, brick, cut stone, steel, 3 stories and basement, 202x42 feet; wing 82x60 feet, variegated slate roof, cement and linoleum floors, elevators, terrazzo, steel sash and skylights, hollow metal and tin clad doors, bond, floor hardener, iron stairs, ornamental iron, brass and iron pipe, area gratings, plumbing, refrigeration, metal partitions, membrane waterproofing. Contract awarded to Wm. H. Francis Co., DuPont Bldg., Wilmington, Del.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 28, 1927. Sealed bids in duplicate will be received until 3 p. m., August 31, 1927, and then publicly opened for furnishing all labor and materials and performing all work for the construction of the United States Post Office at Millville, N. J. Drawings and specifications may be obtained from the Custodian of the site at Millville, N. J., or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., July 30, 1927.—SEALED BIDS will be opened in this office at 3 P. M., August 30, 1927, for the construction of the U. S. post office at Tarentum, Pa. Drawings and specifications may be obtained from the custodian, Tarentum, Pa., or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

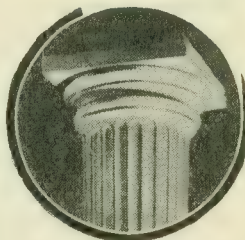
PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS
TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH FIRESAFE PLASTER LATH SHEETROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B. & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th and Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America. 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

PERSONAL POSSESSIONS

have an insurable value
all their own

It will cost you a very small amount
to insure against loss of personal effects
in transit, in club locker rooms, hotels
and public places—anywhere outside
your home.

Ask your agent for information about
North America Tourist Baggage Insur-
ance. You need not be a tourist to
benefit by this protection.

Insurance Company of North America

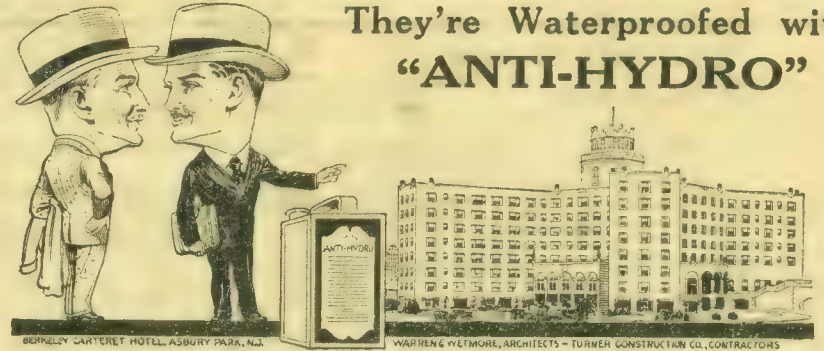
PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

**Driving Rains and Salt Sea Air Cannot
Penetrate or Stain These Brick Walls—**

**They're Waterproofed with
"ANTI-HYDRO"**



Although this large hotel is situated on the ocean front at Asbury Park, New Jersey, the walls are always dry and the brick cannot stain from efflorescence coming from the mortar joints. That's because the cement mortar is mixed with "ANTI-HYDRO."

Driving rains, wintry winds and salt sea air have no effect on this masonry.

"ANTI-HYDRO" waterproofs and dampproofs portland cement mortar, and concrete *permanently*. Its small additional cost guarantees dry and stainless walls and is a profitable investment for any building, large or small.

Being a liquid compound which mixes readily with water, "ANTI-HYDRO" is extremely easy and economical to use. No additional labor is required for the mixing. And in addition to its many other advantages, "ANTI-HYDRO" makes cement mortar extremely plastic so that it spreads more easily. Use "ANTI-HYDRO" for your next brick job.

ANTI-HYDRO WATERPROOFING CO.

265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

METAL CORNICES
AND
SKYLIGHTS

TILES

IN SPANISH

Closed Shingle
Red and Glazes

FELT, PITCH, SLAG

ROOFING

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALT

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 33
August 17, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

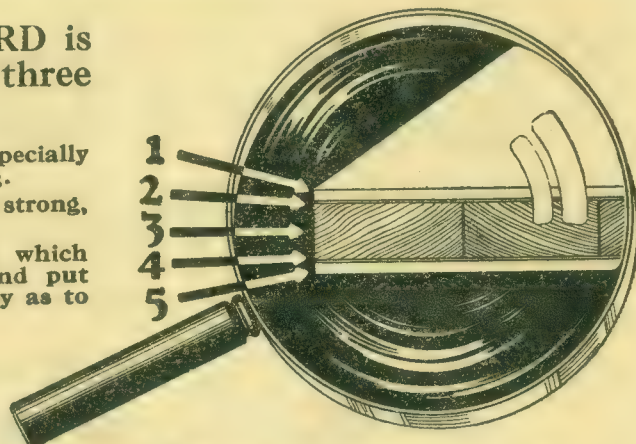
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

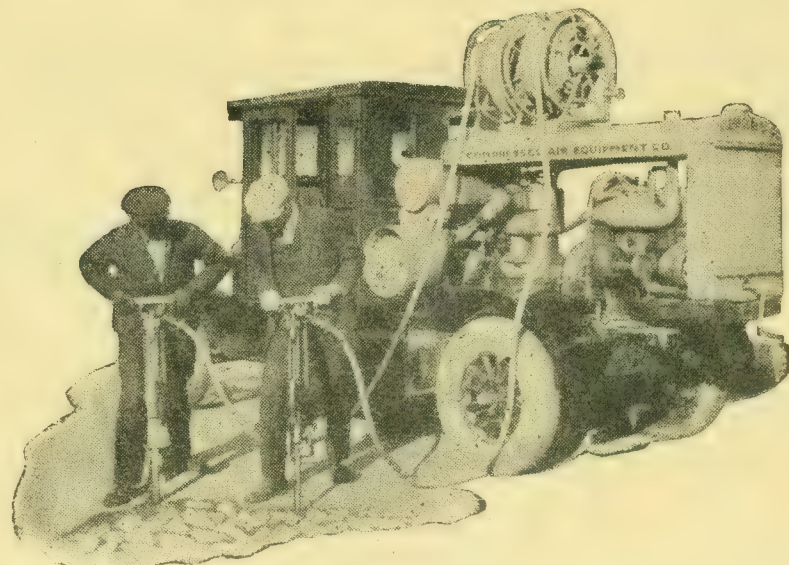
**Delaware Ave. and Marlborough St.
Philadelphia**

**Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony**

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

**DAY
WALnut 6488
RACE 3401**

**NIGHT
ALLegheny 8448**



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

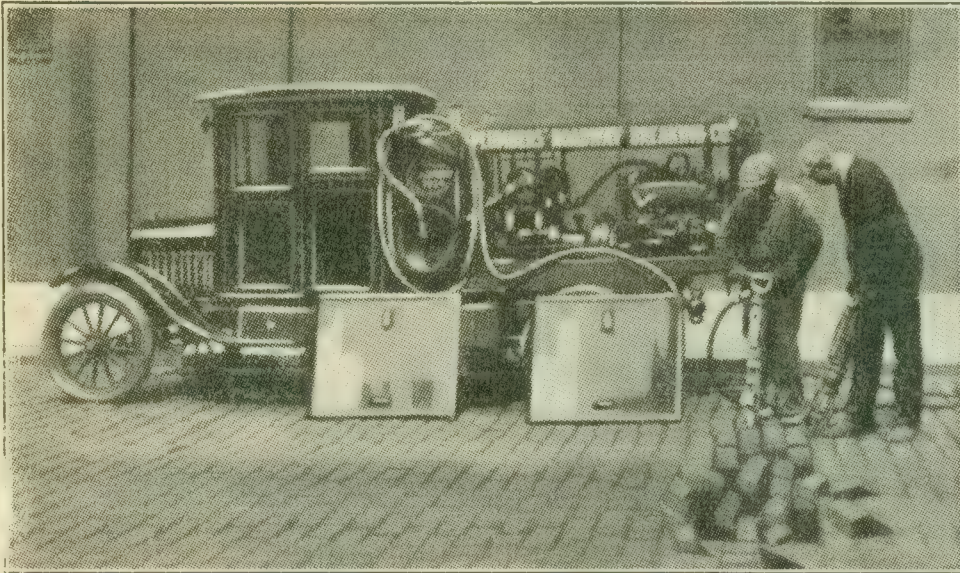
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

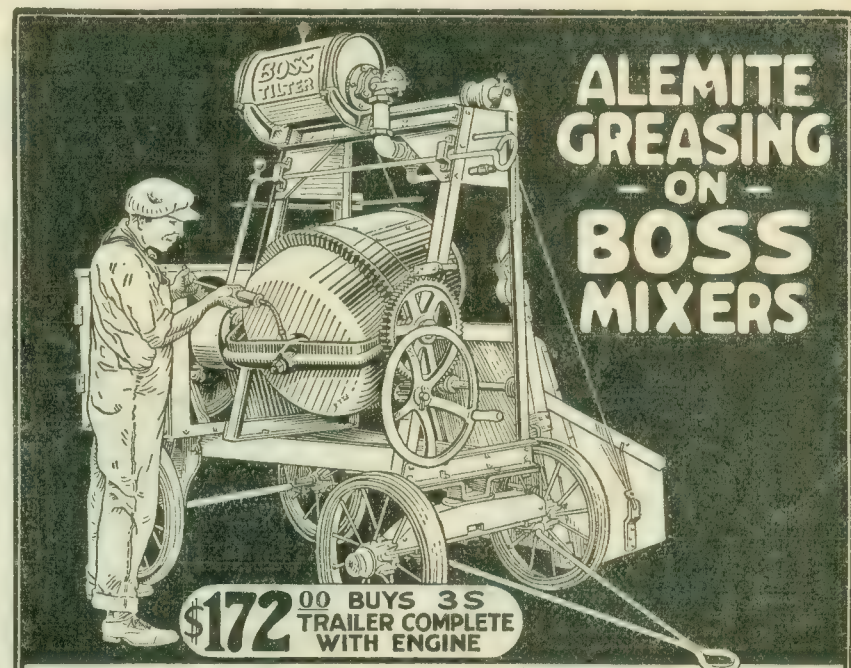
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



ONE BAG TILTER NOW AT HALF BAG PRICE

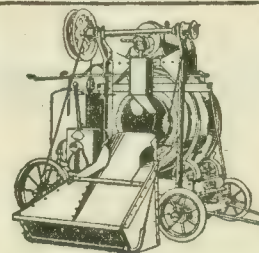
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

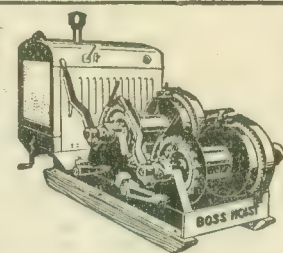
ING

\$135

UP

FORDSON

WINCHES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

Excavating

Steel Erecting

Trench Work

Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

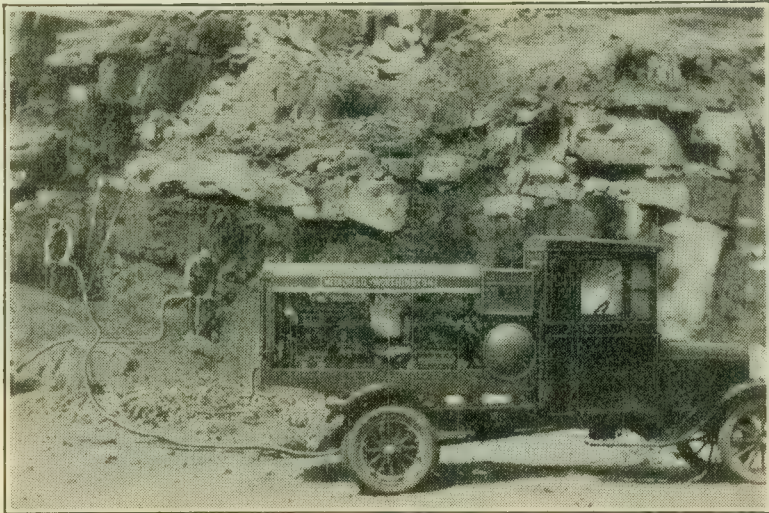
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 33

PHILADELPHIA
August 17, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

New Stores, 2018-22 Sansom street, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 1 story and basement, 58x42 feet, slag roof, pine floors, metal lath, galvanized iron skylights, tin-clad doors, carpentry and mill work, painting, glazing, ornamental iron work. Bids due as soon as possible.

Bank and Office Building, 3160 Kensington avenue, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Northeastern Title & Trust Co., E. E. McNutt, on premises. Limestone, brick, steel, concrete, 4 stories. Plans in progress.

Office Building (alts.), Southwest Corner Walnut and Juniper streets, Philadelphia. Architect, S. Arthur Love, Jr., Seventeenth and Sansom streets, Philadelphia. Owners, F. J. Shoyer and Donald Love, Seventeenth and Sansom streets, Philadelphia. General interior alterations. Plans in progress.

Twin Residence and Garage Development (number undecided), vicinity of Rhawn and Roosevelt Boulevard, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, name withheld. Brick, stone, 2 stories, 16x48 feet, 1 story, 10x17 feet, slag and tile roof, hardwood floors, cement floors, hot water heat, electric light, tile work. Plans in progress.

Apartment House (70 apartments), Thirteenth and Lindley avenue, Philadelphia, \$500,000. Architect, private plans. Owners,

Garden Homes Const. Co., Mr. Reiser, 1101 North American Building. Concrete, steel, brick, 4 stories and basement, 74x185 feet, slag roof, vapor vacuum heat, electric light, tile and marble work, metal lath, hardwood and rubber tile and marble floors, 2 elevators, ventilators, cast limestone, ornamental iron work, stair work, interior decoration, mill work, lumber, kitchen equipment. Owners will be ready for general and sub-bids first of next week.

Apartment House, South side Pine, between Forty-seventh and Forty-eighth street, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Herman, Bobbs & Pepper, 4945 Sansom street, Philadelphia. Brick, steel, stone, cast stone, 4 stories and basement, 1 wing 58x102 feet, 28 apartments, slag roof, hardwood and tile floors, vapor vacuum heat, 2 oil burners, electric light, metal lath, steel sash, fire towers, metal doors, ornamental iron work, insulation, copper ventilators, kitchen and laundry equipment, Murphy beds, automatic elevators. Owners taking sub-bids on Wing No. 2.

Apartment Building, 5220 Wayne avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, J. Edward R. Fox, 2121 North Broad street, Philadelphia. Brick, structural steel, stone, 4 stories and basement, 117x175 feet, slag roof, hardwood floors, elevators (2), 2 incinerators, 4 oil burners, electric light, tile and marble work. Owner taking sub-bids due

as soon as possible.

Theatre, Store and Garage, South street, near Eighth street, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Remy Theatre Co., care of architects. Brick, stone, steel, limestone, 1 story, balcony and basement, 244x93 feet, gypsum asbestos roof, cement and pine floors, plumbing, roof ventilators, steam heat, electric light, tile, marble and terrazzo work, rolled steel skylights, kalamein doors, bond, iron stairs, ornamental iron work, wrought iron pipe, bronze work, area gratings, sprinkler system, rolled steel shutters, steel toilet partitions. Architects taking revised bids due August 19th.

Apartment House and Store Building (alts. and add.), Maplewood avenue and Green street, Germantown, Philadelphia. Architect, Arthur H. Broekie, 254 South Fifteenth street, Philadelphia. Owner, Robert Cherry, Jr., care of architect. Brick, cut stone, steel, reinforced concrete, 2 stories and basement, 30x45 feet, slag roof, linoleum, cement and oak floors, plumbing, steam heat, electric light, metal lath, tile work, hollow metal sash and doors, bond, ornamental iron work, dumb waiter, kitchen equipment. Architect taking bids due August 23rd.

Sales and Service Building, 2249-51 Hunting Park avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Stephen Haas, on premises. Brick, steel, 1 story and basement, 50x75 feet, slag

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

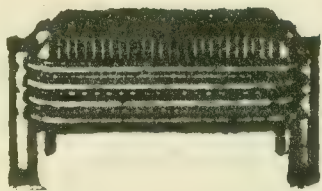
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

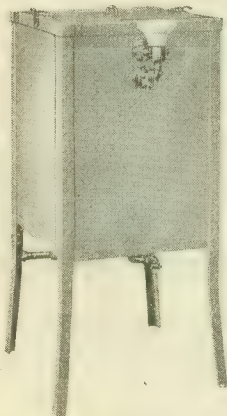


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything for the Drawing Room.

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

roof, cement and pine floors (plumbing, heating, electric reserved), metal lath. Architect taking bids due August 20th.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Highways, City Hall. Walnut street, etc., Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$34,928.48. Wayne avenue, Penn to Rittenhouse, Eastern Paving Co., Pennsylvania Building, Philadelphia, \$44,879.50. Fifth street, Eastern Asphalt Co., Pennsylvania Building, \$52,718.88. Broad street, South Penn Square, Filbert, etc., Mazzola & Marano, 739 South Seventh street, Philadelphia, \$185,546.50. Germantown avenue, Highland, etc., Salvucci Paving Co., 510 North Sixty-fifth street, Philadelphia, \$30,957.50.

Schools (2), Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders. Trade School, Frankford and Clementine street, McCloskey Co., 1620 Thompson street, Philadelphia, \$909,730; Nelson Pedley Co., Corn Exchange Building, Philadelphia, \$915,000; plumbing, F. Wackenhutt, 2416 Frankford avenue, \$49,657; ventilating, A. Wegman, 2813 West Fletcher street, Philadelphia, \$6,149; electric, Walker & Kepler, 531 Chestnut street, Philadelphia, \$4,183. Howard Furness School, Third and Mifflin streets, Philadelphia: McCloskey Co., 1620 Thompson street, Philadelphia, \$348,231; R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$364,141; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$34,444; ventilating, Gerbick & Kaufman, American and Filbert streets, \$6,491; electric, Industrial Elec., Co., 2710 South Darien St., \$17,490.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Property, City Hall. Owners taking bids due August 18th, 11 A. M. (Standard Time). Certified check, 5 per cent. Bond. No. 1, improvement, Seventy-first and Buist avenue. No. 2, Wissinoming Park, drainage and water supply to old comfort station. No. 3, improvement, Cedar Park, by erecting of guard house.

Pennsylvania Railroad Work. C. E. Walsh, 15 North Thirty-second street, Philadelphia. No. 101, conductor cables. Owners taking bids due August 23rd.

Factory (alts.), South side Montgomery avenue, West of Fourth street, \$15,000. Owners, John B. Stetson Co., Fifth and Montgomery avenue, Philadelphia. General alterations. Permit issued.

Residences (2), East side Rowland street, South of Fuller street, \$8,000. Architect, private plans. Owner, Fred J. Blankenhorn,

8049 Rowland avenue, Philadelphia. Brick, 2 stories, 15x16 feet, 16x23 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (3), West side Byberry road, South of Barbary avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Joseph McDevitt, 1061 Pratt street, Philadelphia. Brick, 2 stories, 18 feet 6 inches x 28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (28), South side Sentner street, West of Colgate street, \$98,500. Architect, private plans. Owner, N. Epstein, 247 East Loudon street, Philadelphia. Brick, 2 stories, 15x30 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Northeast Corner Wayne avenue and Mt. Airy avenue, Philadelphia, \$20,000. Architect, private plans. Owner, Harry B. Shoemaker, 321 South Thirteenth street, Philadelphia. Stone, 3 stories, 57x36 feet, 23x19 feet, slate roof, hardwood and pine floors, electric light, tile work. Permit issued.

Residences (2), 920-22 Oakland street, Philadelphia, \$9,000 total. Architect, private plans. Owner, John H. Betz, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, 553 Kerper street, Philadelphia, \$6,000. Architect, private plans. Owner, A. J. Menchy, 551 Kerper street, Philadelphia. Brick, 2 stories, 18x38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Storage Building, 4518-20 Springfield avenue, Philadelphia, \$20,000. Architect, private plans. Owner, H. R. Dickson, People's Bank Building, Philadelphia. Brick, 2 stories, 50x32 feet, 50x176 feet. Permit issued.

Residence, Northwest Corner Shelmire and Claridge streets, Philadelphia, \$6,000. Architect, private plans. Owner, Paul Sanders, 1103 Shelmire street, Philadelphia. Brick, 2 stories, 14x47 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Fire Truck and Pipe Line Station, 2003-05 2nd street, Phila. City Architect, John Molitor, 1315 Walnut street, Phila. Owner, Bureau of Fire, Dept. of Public Work, City Hall, Phila. Brick, reinforced concrete, steel limestone, 3 stories and basement, 109 by 34 feet, slag roof (plumbing, heating, electric separate), cement and composition floors, damp-proofing, cast stone, metal lath, tile and marble work, rolled steel skylights, bond, floor

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired—Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

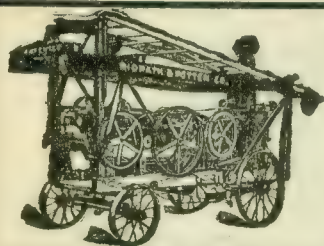
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

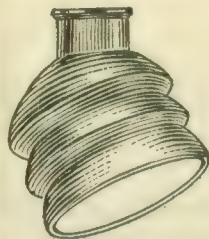
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

hardener, ornamental iron work, area gratings, Zernthern, metal lockers. Owner taking bids due Aug. 25th.

Fraternity House, 38th and Locust streets, Phila. Architect, Alex. Mackie Adams, 1012 Walnut street, Phila. Owner, Alpha Epsilon Pi, care of architect. Architect taking bids on electric, plumbing and heating due as soon as possible.

High School (add.), Girard and Corinthian avenues, Phila., \$465,000. Engineers, Day & Zimmerman, 1600 Walnut street, Phila. Owners, Girard College, care of Estate of Stephen Girard, Lafayette Building, Phila. Steel and

tile, 4 stories, 63 feet 10 inches by 92 feet, carpentry, millwork, brick, concrete, excavation. Engineers will build. Permit issued.

Underground Coal Storage Vault, Girard & Corinthian avenues, Phila. Engineers, Day & Zimmerman, 1600 Walnut street, Phila. Owners, Estate of Stephen Girard, Lafayette Building, Phila. Excavation, metal lath, tile work, ornamental iron work, plumbing. Engineers will build. Permit issued.

Branch Sewers, Philadelphia. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Certified check 5%. Owner taking bids due Aug. 24th, 11 A. M.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Manufacturing Building, 232 North Eleventh street, Philadelphia, \$1,000,000. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Manfg. Exc. Realty Co., care of William Goldstein, 1415 Locust street. Reinforced concrete, 16 stories and basement, 161x96 feet, slag roof, cement floors, elevators, safety treads, plumbing, metal weather strip, waterproofing and damp-proofing, area gratings, iron pipe, brass pipe, ornamental iron work, floor hardener, iron stairs, rolled steel doors, tile and marble work, hollow metal sash, metal lath, electric light, oil burners, steam heat. Contract awarded Nelson Pedley Const. Co., Corn Exchange Building, Philadelphia.

Factory (add.), Front and Clearfield streets, Philadelphia. Architect, private plans. Owners, J. B. Shoemaker's Sons, on premises. Brick, steel, concrete, 2 stories, 50x60 feet, slag roof, concrete floors, steam heat, electric light, rolled steel sash, fire doors. Contract awarded William F. Lotz, Frankford avenue and Oxford pike, Philadelphia.

Factory, 417-25 North Eighth street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Brown & Bailey Co., H. T. Brown, president, 410 Franklin street, Philadelphia. Reinforced concrete, brick, steel, 3 stories and basement, 131x90 feet, slag roof, cement floors, hollow tile, safety treads, waterproofing (elevator, plumbing, heating, electric reserved), rolled steel sash, copper skylights, fire and kalamein doors, bond, ornamental iron work, area gratings, hollow metal parti-

tions, steel partitions, rolled steel shutters, Brloxoned floors; steel tank. Contract awarded Robert E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Building, Southeast Corner Thirty-third and Dickinson streets, Philadelphia, \$32,000. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owners, Philadelphia Magnesia Co., on premises. Brick, cut stone, reinforced concrete, limestone, steel, 2 stories and basement, 106x78 feet, composition and cement floors, metal lath, tile and marble, rolled steel sash and skylights, ornamental iron, rolled steel doors, roof ventilators. Contract awarded to Van Asdlen Const. Co., Stock Exchange Building, Philadelphia.

Residence (add. and alts.), 1819 Delancey street, Philadelphia, \$7,000. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owner, Howard Wasserman, 1418 Walnut street, Philadelphia. Brick, 1 story add., 15 feet 6 inches x 22 feet, stone work, carpentry, mill work, plastering, painting, glazing, linoleum floors, bond, slag roof, hot air heat, repairs. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Building No. 1, Elmwood avenue, between Sixty-seventh and Seventieth streets, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, General Electric Co., Sixty-eighth and Elmwood avenue, Philadelphia. Reinforced concrete, brick, 2 stories and basement, 560x140 feet, gypsum roof, Carey roof, cement floors, safety treads, damp-proofing, floor hardener, bond, ornamental iron work, wood block floors, gypsum block partitions, metal lath,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

tile work, hollow metal sash, rolling steel doors. Contract awarded U. G. I. Contg. Co., Broad and Arch streets, Philadelphia.

Store Building, 113 South Sixteenth street, Philadelphia, \$16,000. Architect, Lloyd Titus, Brighton Hotel, Atlantic City, N. J. Owner, Frank B. Off, Brighton Hotel, Atlantic City, N. J. Brick, steel, limestone, 2 stories and basement, 60x23 feet, composition roof, pine and cement floors, metal lath, tile and marble, dampproofing, architectural terra cotta, cast stone, plate glass. Contract awarded to Roberts & Roller, 1700 Walnut street, Philadelphia.

Residence, McCallum street, North of Creshim road, \$15,000. Owners, George Woodward, Inc., North American Building, Philadelphia. Stone, 3 stories, 65x25 feet, 16x21 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded to R. C. Borthwick, 6511 North Woodstock street, Philadelphia.

Subway Contract No. 109, South Broad street, South Penn Square to Kater street. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Contract awarded to Heyman & Goodman, 236 West One Hundred and Sixteenth street, New York, \$7,269,800.

Warehouse, North side Ritner street, West of Swanson street, Philadelphia, \$60,000. Architect, private plans. Owners, Wolf Street Terminal Co., Wolf and Water streets, Philadelphia. Brick, 2 stories, 110x157 feet. Contract awarded to Robbins Cont. Co., 1137 North Front street, Philadelphia.

Residence, 1217 Shelmire street, Philadelphia, \$6,000. Architect, private plans. Owner, Alexander Wagner, 1103 Shelmire street, Philadelphia. Brick, 2 stories, 14x47 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Paul Sanders, 1103 Shelmire street, Philadelphia.

Store and Garage, Northwest Corner Shelmire and Claridge streets, Philadelphia, \$5,000. Architect, private plans. Owner, Alexander Wagner, 1103 Shelmire street, Philadelphia. Brick, 1 story, store, 17x17 feet, garage, 72x17 feet 10 inches. Contract awarded to Paul Sanders, 1103 Shelmire street, Philadelphia.

Residence (alts.), 408 Richmond street, Philadelphia, \$3,000. Architect, private plans. Owner, Vincent Pintozi, 408 Richmond street, Philadelphia. Brick, 2 stories, 15x30 feet, general alterations. Contract awarded to C. Di Polveney, 347 North Sixty-fourth street, Philadelphia.

Residence, West side Bustleton avenue, South of Red Lion road, Philadelphia, \$6,000. Architect, private plans. Owner, George French, on premises. Brick and frame, 2 stories, 25x34 feet 2 inches. Contract awarded to E. M. Carlson, 4424 Higbee street, Philadelphia.

Laundry (add.), 2028 Germantown avenue, Philadelphia, \$2,400. Architect, private plans. Owner, Anthony Bonivitaola, 2112 South Twentieth street, Philadelphia. Brick, 1 story add., 16x16 feet. Contract awarded to Frank De Marco, 2012 South Sixteenth street, Philadelphia.

Manufacturing Building (alts.), East side Richmond street, North of Tioga street, Philadelphia, \$17,000. Owners, Gilbert Spruance

Co., on premises. General alterations. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Manufacturing Building (repairs), rear of 2126 East Somerset street, Philadelphia, \$4,500. Owners, Joseph Gubbins Corp., on premises. General fire repairs. Contract awarded to E. J. Gilbert, 3345 D street, Philadelphia.

Residence (add. and alts.), 2310 North Lawrence street, Philadelphia, \$3,000. Architect, private plans. Owner, Kathryn Coates, on premises. Brick, 1 story add., 10x16 feet, general alterations. Contract awarded to James Seollon, 422 Diamond street, Philadelphia.

Office, Northwest Corner York and Phillip streets, Philadelphia, \$2,500. Architect, private plans. Owners, Stanley Coal Co., on premises. Brick, 1 story, 16x30 feet. Contract awarded to H. Alterman, 3731 West Somerset street, Philadelphia.

Residence and Store (add. and alts.), 1246 South street, Philadelphia, \$11,000. Architect, private plans. Owner, Richard Slifkin, on premises. Brick, 3 stories add., 17x18 feet, general alterations. Contract awarded to Harry Goldberg, 5202 Arlington street, Philadelphia.

Residences (2), 314-16 Monroe street, Philadelphia, \$10,500. Architect, private plans. Owner, Harry Anderson, 2000 North American street, Philadelphia. Brick, 2 stories, 15x24 feet, 11x14 feet, slag roof, hardwood and pine floors, steam heat, electric light. Contract awarded to Isaac Kohen, 412 Moore street, Philadelphia.

Club (add.), 3157-59 East Thompson street, Philadelphia, \$10,000. Architect, private plans. Owners, Boleslaw Great Association, on premises. Brick, 1 story add., 40x54 feet. Contract awarded to S. Pietrykowski, 3416 Richmond street, Philadelphia.

Residence (alts.), 136 West Upsal street, Philadelphia, \$3,000. Architect, private plans. Owner, E. W. Parker, on premises. General alterations. Contract awarded to H. E. Grau Co., 2125 Cherry street, Philadelphia.

Residence (alts.), 5827 Green street, Philadelphia, \$2,500. Architect, private plans. Owners, Taylor & Co., on premises. General alterations. Contract awarded to Whalen-Crosby Co., 140 North Eleventh street, Philadelphia.

Apartment House, S. W. Corner 12th and Loudon streets, Phila., \$80,000. Architect, private plans. Owner, Wm. C. Anning, 3514 Spring Garden street, Phila. Brick, 4 stories, 32x70 feet; 20x8 feet, slag roof, hardwood and pine floors, electric light, tile work. Con-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Hood Tile Is Good Tile

ROOFING TILE AND QUARRIES
PHILADELPHIA ELECTRIC CO.
AND
DREXEL & CO.
INSTALLS ON THE ROOF OF THEIR NEW BUILDINGS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO.
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

**Face Brick
Paving Brick**

Ornamental Terra Cotta

**Hollow Tile
Roofing Tile**

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

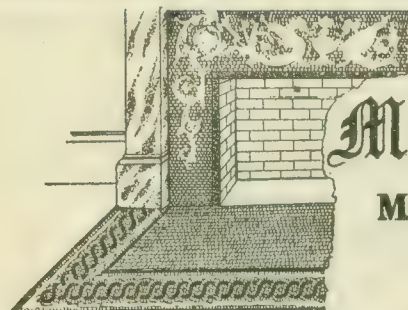
THERE IS ONLY ONE IN-A-
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

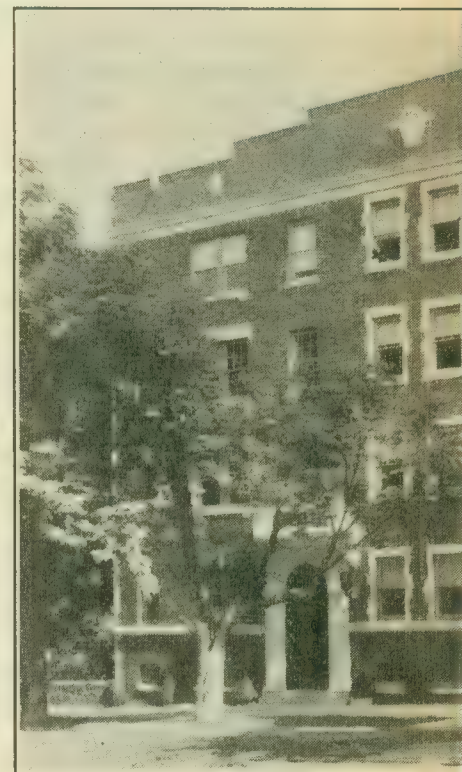
Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegra
of Truscon STONETEX.

STONETEX is the masonry coating. Not or
from being absorbed into concrete, stucco or brick, b
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

BEDS

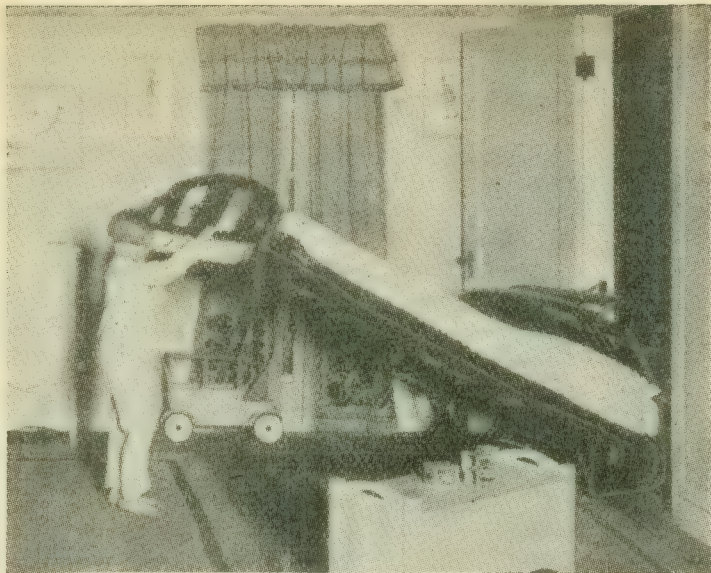
mes
ings

call at our
in kitchen
boards as
Beds

D CO.

y Building
44th Street
w York

BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.

and the concrete is spalling
stopped by the application

it prevent moisture
so covers the surface
s flat. It does not
masonry.



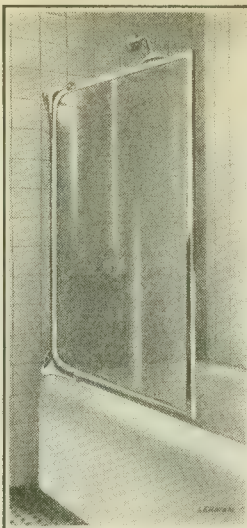
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAY SHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO that will satisfy the most particular.
CERAMICS
TILES

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

tract awarded Carl F. Hirsch, 1718 Cherry St., Phila.

Shop, 419-21 W. Bristol street, Phila.,

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

**PILES, FOUNDATIONS
CAISSONS**
 ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
 1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

**Reinforced Concrete
and Cement Work**
 Get our estimate first on
 "THAT CEMENT JOB"
FREDERICK MASSIAH
 S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

\$6,000. Architect, private plans. Owner, J. W. Holden, 6th and Hunting Park Ave., Phila. Brick, 2 stories, 32x57 feet; 32x20 feet. Contract awarded W. F. Chapman, 1805 W. Venango street, Phila.

Comfort Station, Gorgas Lane and Hermitage street, Phila. Acting City Architect, Jos. A. Rolleter, 1315 Walnut street, Phila. Owner, Dept. of Public Work, Bureau of City Property, City Hall. Brick, concrete, 46x17 feet (plumbing, heating, electric separate), tin roof, cement floors, metal window guards, bluestone, floor hardener, bond, area gratings, ornamental iron work, concrete block, toilet partitions, metal lath, marble work. Contracts awarded: Mitchell Bros., 2125 Race street, \$10,390; plumbing: Bulman Bros., 5th and Cumberland streets, \$1,624; Heating: Bulman Bros., 5th and Cumberland streets, \$354; electric: Industrial Elec. Co., 2710 S. Darien street, \$268.

Pennsylvania Construction News

Private Sanitarium, Souderton, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owner, Dr. Irwin Kinsey, Souderton, Pa. Brick, 2½ stories, 40x112½ feet, slate roof, dumb waiter, incinerator, laundry equipment, hardwood and tile floors, hot water heat, electric light, metal lath. Plans in progress.

Church, East Chestnut avenue, Chestnut Hill, Pa. Architects, Zantinger, Borie & Medary, Otis Building, Philadelphia. Owners, St. Paul's Protestant Episcopal Church, Rev. M. E. Peabody, Chestnut Hill, Pa. Stone, 1 story. Sketches in progress.

Apartment House, near Forty-fifth and Walnut streets, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owner, name withheld. Brick, steel, 3 stories. Plans in progress.

Chapel and School, Southwest Corner Fifty-ninth and Elmwood avenue, Philadelphia. Architect, Frank V. Nickels, 15 South Twenty-first street, Philadelphia. Owners, St. Boleslaus, Rev. J. Zywicki, on premises. Sketches in progress.

High School, Danville, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Danville School Board, D. J. Reese, First National Bank, Danville, Pa. Fireproof. Architects selected.

Auto Sales Buildings (3), Baltimore avenue, Lansdowne, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, August Wright, Lansdowne, Pa. Preliminary sketches in progress.

Residence, Trewitton, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owner, Mrs.

M. Mear, care of architect. Stone, stucco, 2½ stories, 30x36 feet, slate roof, hardwood floors, hot water heat, electric light. Plans in progress.

Armory, Carbondale, Pa. Architect, R. E. Tiffany, M. and M. Building, Carbondale, Pa. Owners, State of Pennsylvania Armory Board, Harrisburg, Pa. Brick, 2 stories. Architect selected. Plans in progress.

School and Auditorium, Easton, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Anthony of Padua Roman Catholic Church, Rev. J. W. Herron, 123 North Second street, Easton, Pa. Brick, steel, 3 stories, 16 rooms, 107x64 feet, composition roof, maple floors, hollow tile, safety treads, roof ventilators, waterproofing, ornamental iron, steel stairs, bond, fire doors, steel sash and skylights, tile and marble, steam heat, electric work. Plans in progress.

Store Front (add.), Pottsville, Pa. Architect, Wayne M. High, 230 North Sixth street, Reading, Pa. Owner, name withheld. Brick, 3 stories and basement, 30x24 feet, slate roof, maple floors. Plans in progress.

Owls' Home, Allentown, Pa., \$100,000. Architect, Wayne M. High, 230 North Sixth street, Reading, Pa. Owners, Order of Owls, C. H. Balliet, 513 North Madison street, Allentown, Pa. Stone, brick, 3 stories and basement, 120x38 feet, slate roof, tile and hardwood floors, hollow tile, safety treads, roof ventilators, dampproofing, bronze, ornamental iron, casement windows, iron stairs, tile and marble, steam heat, electric light. Plans in progress.

Store, Reading, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owner, J. Balthaser, Hamburg, Pa. Brick, steel, 3 stories, 85x165 feet, composition roof, maple floors, steel sash and skylights, steam heat, electric light. Owner will take bids.

Residence Development (250), Springfield Township, Powell and Saxer roads. Owner, Louis Kourn, Springfield, Delaware County, Pa. Hollow tile, stucco, central heating plant, twin residences, semi-detached. Work contemplated. Owner building 70 of first unit.

Residences (2), Wyndotte street, between Second and Third street, Lester, Pa. Owner, Paul Maxmovitah, Wyndotte street, Lester, Pa. Brick and stone, 2½ stories, 28x45 feet, slag roof, pine floors, hot water heat, electric light. Owner building.

Residence, Front street, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owner, care of architects. Stone, 2½ stories, 40x40 feet, slate roof, hardwood floors, tile work. Architects ready for bids.

Fire House, Sellersville, Pa. Architect, Wayne M. High, 230 North Sixth street, Reading, Pa. Owners, Sellersville Fire Co., Mr. Arnt, Sellersville, Pa. Brick, 2 stories and basement, 98x60 feet, composition roof, concrete and wood floors, steel skylights, tile and marble, electric light, steam heat. Owners taking sub-bids.

Bank (alts.), Dublin, Bucks County, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owners, Dublin National, John High, secretary, Dublin, Pa. Newall vault doors, vapor heat, linoleum floors, plumbing, security vault and lockers, bank fixtures. Plans completed. Owners ready for sub-bids.

Radiator Cabinet Company
 SPECIALISTS IN RADIATOR CONCEALMENT
211 Drexel Building
Philadelphia
 Lombard 4900

Residences (8), Bethton, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owner, S. E. Getchell, 1116 Jefferson Building, Philadelphia. Concrete block, brick, 2 and 2½ stories, asbestos shingle roof, hardwood floors, hot water heat, electric light. Owner and architect taking sub-bids.

Office Building, Eddystone, Pa. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Baldwin Locomotive Works, Eddystone, Pa. Brick, steel, reinforced concrete granite, 8 stories, basement and pent house, 106x46 feet, 4 wings 157x53 feet, steam heat, electric light, marble and terrazzo work, rolled steel sash, fire doors, floor hardener, wrought iron pipe, bronze work, soundproofing, sani onyx, promenade tile roof, gypsum tile, maple and composition floors, hollow roof, elevators, plumbing, integral waterproofing, dampproofing, architectural terra cotta. Architects taking bids due August 22nd.

Sunday School Unit No. 1, West Lawn, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Lutheran Church of the Advent, Rev. H. E. Herman, 16 Park avenue, Reading, Pa. Stone, 1 story and basement, steel, 104x53 feet, slate roof, built-up roof, composition floors, electric work, metal lath, cast stone, waterproofing and dampproofing, ornamental iron. Owners taking bids due August 19th at 6 P. M.

Residence and Garage, Ardmore, Pa., \$50,000. Architect, R. Brognard Okie, 1600 Walnut street, Philadelphia. Owner, W. D. Philler, care of architect. Stone, 2½ stories, wood shingle roof, hardwood floors, cement work, metal lath, hot water heat, electric light, tile work. Architect taking bids due as soon as possible.

Laboratory (add.), Enola, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, State of Pennsylvania, Capitol Building, Harrisburg, Pa. Concrete, brick, 2 stories, 25x50 feet, Barrett roof, wood floors, electric light, steel sash. Owners taking bids due August 22nd.

Power House, Bethlehem, Pa. Architect, private plans. Owners, Central Railroad of New Jersey, Jersey City, N. J. Brick, steel, 1 story and basement, 80x46 feet, asbestos built-up roof, cement floors, plumbing, roof ventilators, electric light, iron stairs, ornamental iron work, brass pipe, iron pipe, area gratings, steel toilet partitions. Owners taking bids due August 22nd.

School, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, School District of Lansdowne, Fred S. Underhill, 112 North Broad street, Philadelphia. Architects taking bids due August 30th, 7 P. M. (Standard Time).

Furnish and Instal Oil Burner Equipment, Community Building, Narberth, Pa. In charge G. B. Suplee, Building Inspector, Narberth, Pa. Owners, Borough Council, Narberth, C. V. Noel. Owners taking bids due August 29th, 7.30 P. M. (Standard Time).

Miscellaneous Sewers, Haverford, Pa. Owners, Township of Haverford, Thomas Wildeman, Oakmont, Pa. Owners taking bids due August 19th, 7.30 P. M. (Standard Time). Deposit, \$10, refunded. Certified check, \$500. 20,000 feet 8-inch T. C. sanitary

sewer, 12,000 feet 10-inch T. C. sewer, including installation, manholes, etc.

Sidewalks, Etc., Borough of Prospect Park, Pa. Engineers, Damon & Foster, 6932 W. Chester Pike, Philadelphia. Owner, Borough of Prospect Park, A. D. Forrest, Prospect Park. Cement, concrete sidewalks, relaying slate side walks, bituminous concrete approach to Lincoln avenue. Certified check \$500. Owner taking bids due Sept. 2d, 7 P. N. (S. T.).

Steel Flag Pole, Ridley Township District, Pa. Owner School Board, Thomas Bowen, Folsom, Pa. Owner taking bids due Aug. 22nd, 8 P. M., for 60-foot pole, 6 feet in concrete base.

Concrete Bridge, over Schuylkill River, at Hamburg, Pa. Owners, Berks County, Thos. R. Houch, County Controller, Court House, Reading, Pa. Concrete, 4 spans, 86 feet each, beam and slab approaches, total length 529 feet, width 38 feet. Deposit \$25

(refunded). Certified check, \$20,000. Owners taking bids.

Bond's Memorial Dormitory, Swarthmore, Pa. Architects, Karcher & Smith, 1520 Locust street, Phila. Owner, Swarthmore Col-

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

FOR SALE

Concrete mixing and distributing plant. Used on one job. In excellent condition and price reasonable.

Capacity 200 yards per day.

Includes ½-yard mixer, 110 ft. tower, hoisting engine, hoppers, chutes, 75-yard steel bin with inundator and batcher.

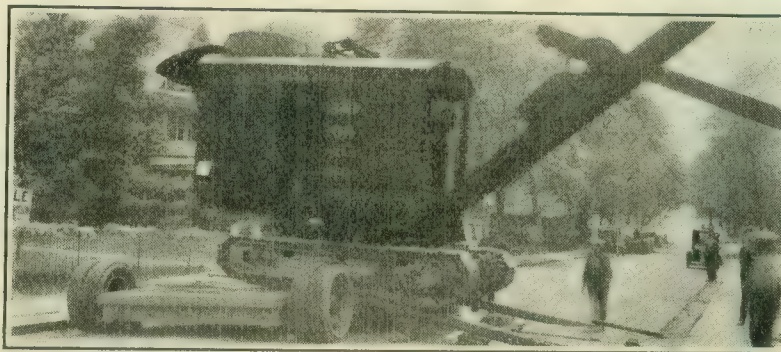
Will sell all or part.

J. A. BADER & CO.

923 Market Street

Wilmington, Del.

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc., moved any time or anywhere by hour, day or contract.

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

GENERAL CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

lege, Swarthmore, Pa. Stone, 2 stories and basement, 133x133 feet, irregular slate roof, pine floors, steam heat, electric light, bond, iron work, metal lath. Contract awarded McNeill Construction Co., Schaff Building, Philadelphia.

School Building, Charleston Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Owners, Asbestos Buildings Co., Charleston Township, Pa. Plans completed.

School (add.), Boothwyn, Delaware Co., Pa. Architect, Frank C. Watson, Crozer Building, Chester, Pa. Owner, Upper Chichester Twp.,

Delaware Co., Pa. Brick, frame, 1 story and basement, 73x24 feet, shingle roof, pine floors, carpentry and millwork, painting, glazing, hardware. Owner taking bids due Aug. 23rd.

Church (alts. and add.), 3rd and Jackson streets, Media, Pa. Architect, Frank C. Watson, Crozier Building, Chester, Pa. Owner, Campbell A. M. E. Church, Media, Pa. Reconstruction of roof and interior renovation. Brick, 3rd story apartment. Plans in progress, ready for bids in one week.

Store, Residence and Garage, Chester, Pa. Architect, Frank C. Watson, Crozier Building, Chester, Pa. Owner, name withheld. Brick, 2 stories and basement, 30x60 feet; 1 story 25x30 feet, slag roof, pine floors. Architect taking bids due as soon as possible.

Residences and Garages (6), Chester, Pa. Architect, Frank C. Watson, Crozier Building, Chester, Pa. Owner, name withheld. Stone, 2½ stories, 18x40 feet, shingle roof, hardwood floors, hot water heat, electric light. Plans in progress.

County Jail (Alts and Repairs), Clearfield, Pa. Architect, W. H. Overdorf, DuBois, Pa. Owners, Commissioners of Clearfield County, Clearfield, Pa. Brick work, slag roof, plastering, painting, heating alterations, dumbwaiter, iron work, carpentry and millwork, metal lath. Owner taking bids due Aug. 30th 10 A. M. (S. T.). Certified check 10%.

Bank, Selinsgrove, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Farmers' National Bank, Selinsgrove, Pa. Brick, reinforced concrete, limestone, steel, 1 story, 87x25 feet, composition roof, marble and linoleum floors, gypsum, hollow tile, roof ventilators, metal window guards, dampproofing, area gratings, bronze, kalamein and hollow metal doors, steel sash, tile and marble, metal lath (heating, plumbing, electric, finished hardware reserved). Contract awarded to Albert Boyer, Northumberland, Pa.

Residence, Muhlenberg Park, Reading, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owners, Pomeroy Co., Sixth and Penn streets, Reading, Pa. Brick, 2 stories, 32x36 feet, asbestos shingle roof, linoleum floors, hot water heat, electric light, oil burners, tile work, casement windows, ornamental iron, flagstone. Contract awarded C. H. Schlegel, 528 Washington street, Reading, Pa.

Residence, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, John Norris Childs, care of architect. Stone, cut stone, limestone, 2½ stories and basement, 200x24 feet, irregular, Mohawk slate roof, oak and pine and cement floors, hot water heat, electric light, metal lath, tile work, bond, flagstone. Contract awarded E. Allen Reeves, Abington, Pa.

Orphanage (add. and alts.), Franklin street, Reading, Pa. Architect, G. C. Freelan, Liberty Bank Building, Reading, Pa. Owners, St. Catharine's Home, 1026 Franklin street, Reading, Pa. Brick, steel, 3 stories, 40x61 feet, slate roof, tile floors, tile and terrazzo work, electric light. Contract awarded to J. C. Dethoff, 1600 Hampden Boulevard, Reading, Pa.

Residence (add. and alts.), Spring City, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, I. W. Gruber, Spring City, Pa. Stone, stucco, 2 stories, irregular size, slate roof, brick floors, tile work, general interior alterations. Contract awarded to W. L. Wiand, Pottstown, Pa.

Miscellaneous School Work, Norristown, Pa. Owners, Board of Education, Norristown, Pa. Contracts awarded for hardware: Rittenhouse School, Adolph Soeffing, 833 Arch street, Philadelphia, \$3,038. Washington School, Niemark Hardware Co., Norristown, Pa., \$1,004.40. Roosevelt, Niemark Hardware Co., Norristown, Pa., \$630.

Residence (alts. and add.), Merion, Pa. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, George Curran, care of architect. General alterations and additions. Contract awarded M. W. Young, 2063 North Sixty-third street, Philadelphia.

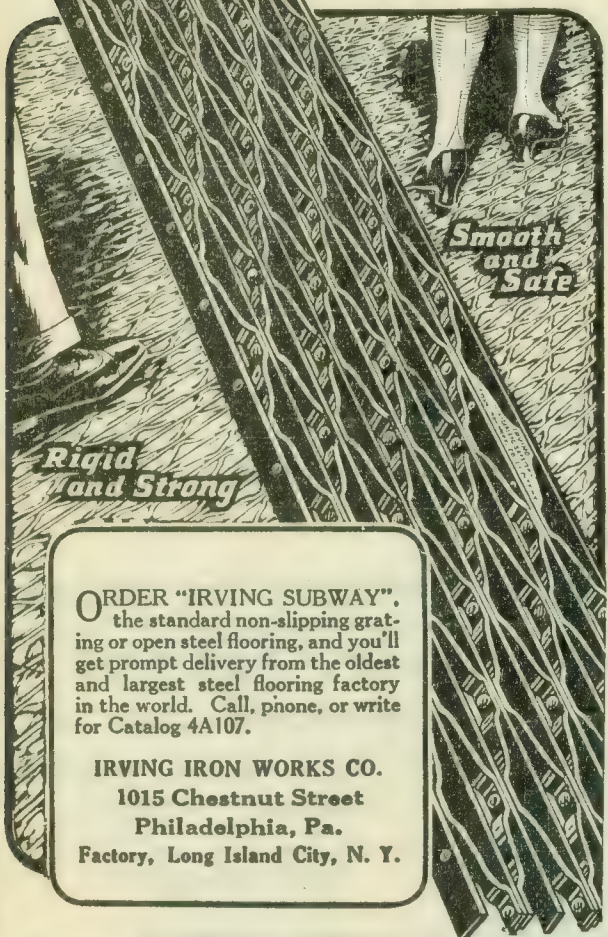
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
SUBWAY
FLOORING

Pennsylvania

Contracts Awarded

New Passenger Station, Lancaster, Pa. Architect, W. H. Cookman, 606 Broad Street Station, Philadelphia. Owners, Pennsylvania Railroad, Broad Street Station, Philadelphia. Reinforced concrete, brick, steel, granite, limestone, 2 stories and basement, 168x113 feet, cement tile, concrete and slag roof, cement floors, hollow tile, plumbing, dampproofing, steam heat, electric light, metal lath, marble and terrazzo work, rolled steel sash and skylights, kalamein doors, iron stairs, casement windows, iron pipe, bronze work, area gratings, caulking, dumb waiter doors, electric dumb waiters, ash hoist. Contract awarded D. S. Warfel, Lancaster, Pa.

Stores (7) and Apartments (add. and alts.), Carlisle, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, R. H. Wenger, Carlisle, Pa. Brick, 3 stories, 30x90 feet, slag roof, pine floors, casement windows, iron stairs, steel sash, tile work, electric light, vapor heat. Contract awarded to H. A. Lackey, Carlisle, Pa.



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Road Work, Pennsylvania. Owners, State of Pennsylvania, Highway Department, Harrisburg, Pa.

Warren County, R-93, Sec. 3, Pleasant and Broken Straw Townships. Grading and drainage. Contract awarded to Charles H. Fry Const. Co., Erie, Pa., \$57,269.25.

Westmoreland Countf, R-68, Sec. 6, Salem Township. One course reinforced concrete. Contract awarded to McPherson Brothers, Edgeworth, Pa., \$76,629.07.

Berks County, R-381, A-3951, Exeter Township. One course reinforced concrete. Contract awarded Kutztown Const. Co., Kutztown, Pa., \$41,968.96.

Adams County, R-231, Strabane Township. One course reinforced concrete. Contract awarded John S. Teeter, Taneytown, Md., \$46,385.15.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Erie Co., A-4709, Harbor Creek Township. One course reinforcer concrete. Contract awarded to L. R. Mathieu, Altoona, Pa., \$94,354.80. Centre Co., R-57, Philipsburg Borough, Rush Township. One course reinforced concrete. Contract awarded to Milsom & Curtis Const. Co., Philipsburg, Pa., \$42,171.62. Erie Co., R-84, Waterford Borougs. One course reinforced concrete. Contract awarded to R. E. Winter, Erie, Pa., \$25,582. Northumberland Co., R-336, A-4928, Little and Mahanoy Townships. One course reinforced concrete. Contract awarded to Eastern Const. Co., \$120,264.

New Jersey Construction News

High School, Glassboro, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, C. M. Townsend, Glassboro, N. J. Site selected. Work contemplated. Plans to be approved.

Terminal Wharf and Six Piers, Delaware River, Clinton street to Spruce street, Camden, N. J., \$2,000,000. Plans by United States District Engineer. Owners, City Commissioners, Camden, N. J. Work contemplated. Plans approved.

Grade School and Auditorium, Trenton, N. J. Architect, William A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township Board of Education, W. A. Robinson, Clerk, Greenwood School, Trenton, N. J. Brick, 2 stories (heating, plumbing and electric separate). Plans in progress.

Apartment House (12-family), Federal street, Merchantville, N. J. Architect, Lloyd Cross, 16 North Front street, Philadelphia, and Delanco, N. J. Owner, name withheld. Stone, 3 stories, 40x85 feet. Plans in progress.

Residence (alts. and add.), 657 South Third street, Camden, N. J. Architect, Lloyd Cross, 16 North Front street, Philadelphia, and Delanco, N. J. Owner, Nick Mealo, 657 South Third street, Camden, N. J. Brick and timber, 2 stories, 20x35 feet, slag roof. Owner will build.

Theatre and Hall, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building,

Trenton, N. J. Owners, Savoy Theatre, care of architect. Fireproof. Preliminary plans in progress.

Memorial Building, Pleasantville, N. J. Architect, C. H. Conover, Freeman Building, Atlantic City, N. J. Owners, City of Pleasantville, West Washington avenue, Pleasantville, N. J. Plans being revised. Owners will be ready for bids in about two weeks.

Residences (30), 2330-62 and 2333-61 Morse street, Camden, N. J., \$129,000. Architect, Charles H. Roberts, 112 South Sixteenth street, Philadelphia. Owners, Cresecent Builders' Corporation, 710 Wilson Building, Camden, N. J. Brick, 2 stories, 15x40 feet, slag roof, hot water heat, electric light. Permit issued.

Store and Residence, 3629 Westfield avenue, Camden, N. J., \$5,800. Architect, private plans. Owner, Edward Christopherson, 3321 Saunders street, Camden, N. J. Brick, 2 stories, 17x52 feet, slag roof, hot water heat, electric light. Permit issued.

Concrete Curbs and Gutters, Sidewalks and Catch Basin, Belmar, N. J. Engineer, Louis Broztn, Belmar, N. J. Owners, Borough of Belmar, J. Herbert Phillips, Belmar, N. J. Bond. Certified check, 5 per cent. Owners taking bids due August 24th, 9 P. M.

Warehouse and Packing Plant, Delaware River, Cooper to Linden street, Camden, N. J. Owners, Campbell Soup Co., Camden, N. J. Will cover about 20 acres. Work contemplated in spring, 1928.

Paving, etc., Woodlynne, N. J. Owners, Borough of Woodlynne, W. E. Dougherty, Woodlynne, N. J. Owners taking bids due August 10th. Certified check, 10 per cent. 8 P. M. (Daylight Saving Time). Deposit, \$15. Refund, \$10. A—4,790 square yards reinforced concrete paving, 110 square yards concrete gutters, 900 cubic yards excaevation, 1,300 lineal feet concrete curb, 700 concrete curb reset, 130 armoured radius curb, 650 square feet cement curb sidewalks.

B—10,300 cubic feet Bessonite paving, 250 tons patching materials, 200 lineal feet armoured radius curb, 100 lineal feet concrete curb, 30 square yards concrete base 6 inches,

500 square yards scarifying and grading, 250 gallons emul. asphalt, 760 square feet cement sidewalk, 50 lineal feet concrete curb reset, 5 tons 2½ trap rock, 3 tons screening, 100 cubic feet excavation.

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Garage and Show Room, Haddon avenue near Euclid avenue, Camden, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Camden Motors Co., Camden, N. J. Brick, cut stone, steel, reinforced concrete, 2 stories and basement, 100x74 feet, slag roof, cement floors, hollow tile, roof ventilators, waterproofing, dampproofing, architectural terra cotta, cast stone, metal lath, rolled steel sash and skylights, kalamein doors, iron stairs, ornamental iron work, area gratings. Architects taking bids due August 25th.

Bridge, Linden avenue, over Philadelphia and Trenton Branch, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Certified check, 5 per cent. Owners taking bids due August 24th, 11 A. M. (Standard Time).

Concrete Walks and Drive, Retaining Walls, Camden, N. J. Owners, Board of Education, J. R. Given, Clerk, Westmont, N. J. Architect, C. R. Peddle, 136 South Fourth street, Philadelphia. Bettewood School and Strawbridge School. Certified check, 5 per cent. Bond. Owners taking bids due August 26th, 7 P. M. (Standard Time).

New Jersey

Contracts Awarded

Office Building, Audubon, N. J. Architect, Frank R. Watson, 1012 Walnut street, Philadelphia. Owners, Suburban Dairies, 422 Oakford street, Audubon, N. J. Brick, steel, 2 stories and basement, 101x23 feet, slag roof, composition and pine floors, plumbing, steam heat, electric light, metal lath, steel sash, bond. Contract awarded Bennett McLaughlin, 3434 Sansom street, Philadelphia.

School Building, Pennsgrove, N. J. Architect, C. R. Peddle, 136 South Fourth street, Philadelphia. Owners, Board of Education, Pennsgrove, N. J. Cement block, stucco, 1 story and basement, 60x140 feet, slag roof, hot water heat, pine floors, electric light. Contract awarded H. E. Cauley, Pennsgrove, N. J.

Grade School, Glassboro, N. J. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Board of Education, C. H. Townsend, Glassboro, N. J. Cinder block, stucco, 1 story and basement, 56x74 feet, wing 22x36 feet, pine and maple floors, carpentry and mill work, metal lath, bond, ornamental iron work, slate and cork boards, sheet metal work. Contracts awarded: J. D.

Lawrence, Westville, N. J., \$14,694; electric, C. M. Parkehurst, Clementon, N. J., \$300; plumbing, J. A. Stanbach, Blackwood, N. J., \$977; heating, American Heating & Ventilating Co., Schaff Building, Philadelphia, \$2,300.

Residence (add.), Riverton, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owner, George S. Washington, Riverton, N. J. Stone, 3 stories, 3-room add., slate roof, hardwood floors, plumbing, hot water heat, electric light, tile work. Contract awarded J. E. McVaugh, Riverton, N. J.

School Building, Cinnaminson, N. J. Architect, J. Fletcher Street, 1120 Locust street, Philadelphia. Owners, Westfield Preparative Meeting, Cinnaminson, N. J. Brick, 1 story, 30x45 feet, tin roof, maple floors. Contract awarded J. E. McVaugh, Riverton, N. J.

Garage (add.) and Office, Northwest Corner Seventh and Linden streets, Camden, N. J., \$2,000. Architect, private plans. Owner, Richard McAllister, Seventh and Linden streets, Camden, N. J. Brick, 1 story add., garage, 13x75 feet, office, 12x16 feet, slag roof, cement floors, electric light. Contract awarded to Michael DeMosi, 1702 Federal street, Camden, N. J.

Miscellaneous Construction News

Type Foundry, Harrison, N. Y. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Intertype Corp., 1440 Broadway, New York. Brick, steel, concrete, 1 story, saw-tooth roof, hollow metal skylights. Plans in progress for building. Architects taking bids on grading and siding due August 24th.

Residence, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Harvey Branscomb, care of architect. Preliminary plans in progress.

Residence, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Gilbert C. White, care of architect. Preliminary plans in progress.

Residence, Newport, R. I. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Mrs. Duncan Cameron, care of architect. Preliminary plans in progress.

Miscellaneous

Contracts Awarded

Residence and Garage, Scarsdale, N. Y. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Mr. G. Burlengame, care of architects. Frame, 2 stories, 36x26 feet, shingle roof, hardwood and concrete floors, hot water heat, electric light, tile work. Contract awarded to A. Borgeson, Sprague avenue, Scarsdale, N. Y.

Garage (add. and alts.), 701 West Fifth street, Wilmington, Del. Architect, private plans. Owner, William Lank, 1401 West Sixth street, Wilmington, Del. Brick, steel, 15x58 feet, slag roof, cement floors, electric work. Contract awarded Patrick Fahey, 122 North Clayton street, Wilmington, Del.

Store, 519 King street, Wilmington, Del., \$6,500. Architect, private plans. Owner, James T. Mullen, Sixth and Market streets, Wilmington, Del. Brick, 1 story, 14x94 feet, slag roof, pine floors, electric work. Contract awarded H. S. Lynch, 715 Tatnall street, Wilmington, Del.

Apartment (add. and alts.), 604 West street, Wilmington, Del. Architect, private plans. Owner, Daniel Negro, on premises. Brick, 18x27 feet add., general alterations. Contract awarded H. S. Lynch, 715 Tatnall street, Wilmington, Del.

LET'S COOL THE FACTORY

By SAMUEL R. LEWIS

Chairman, Research Committee, The American Society of Heating and Ventilating Engineers

(Reprinted by special permission from *Factory*, the Magazine of Management.)

Whatever practical method may be adopted for cooling the factory, it must follow Nature's own cooling cycle. Nature cools by evaporation, and even our modern refrigeration plants are an adaptation of that principle.

It takes heat to evaporate a liquid, so naturally when a liquid evaporates heat is absorbed from the surface nearest the water. Thus we see the dew on the sur-

A. HUSKEY

PORTABLE

MEYER COSSOY

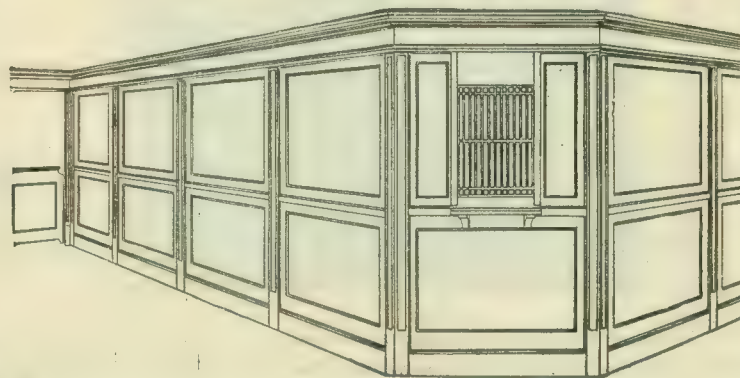
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE
FIXTURES

FOR ALL KINDS
OF

STORES



CABINET
WORK

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

face of green things in the mornings. When the sun went down the night before and ceased to furnish radiant heat, the air became cooler and consequently contracted in volume. It was thus no longer able to carry its full burden of moisture and laid it down on the leaves and the ground.

There are many nights when the temperature of the air is above freezing, but following which we can see white frost everywhere. I believe that on such nights the frost does not appear until near morning, perhaps at sunrise, when the air begins again to pick up its burden of moisture. The evaporation on the immediate surface of the leaves causes the freezing.

In this cycle, from a vapor to a liquid, we have the fundamental basis for all refrigeration and artificial ice-making. From the great coolers at the packing-houses to the little machine under the pantry ice-box, all refrigerations use the same idea. All compress some gas into or toward liquid form, using heat or its equivalent mechanical energy. The heat which always accompanies compression can then be removed by cooling the gas container with streams of air or water. Then as the compressed gas at normal temperature expands in a reducing valve, it absorbs great amounts of heat from its surroundings.

Every automobile tire is a miniature refrigerating plant. When it is pumped up by hand, not only does the person at the pump get warm, but the pump itself gets quite hot, and the tire itself becomes appreciably warmer. When the tire again attains its normal temperature, if the valve is unscrewed permitting the air to escape, there is a decided drop in temperature near the orifice as the air regains its heat in expansion.

It is evident, then, that a building may be cooled either by simple evaporation of water or by the mechanical process of completing the cooling cycle.

When mechanical refrigeration is used, cooling the air is relatively easy, but the cooling is always accompanied by the difficult and expensive necessity of removing the moisture or dew which always goes along with reduction in air volume. Thus, when we refrigerate a fur-storage vault, for example, ice accumulates on the refrigerating pipes, which soon become self-insulated. Sometimes this ice is broken off by hand and carried out. More often the room is allowed to warm up quickly, sufficiently to melt the ice, and the accumulated water is drained off before it can be reabsorbed by the air.

The best method, however, is to cool the room by indirect refrigeration. Most modern air-cooling systems operate on this indirect principle. In such a system the room is cooled by cooled air circulated through the room by fans. The air is cooled by contact with a spray of chilled

water, which flows over the refrigerating pipes. Since the water is much colder than the air, it is gradually increased in volume as it absorbs moisture from the air, yet, since it is water, not ice, it keeps the cold pipes from insulating themselves with frost.

The use of water-absorbing materials, such as salt of calcium chloride and other water-hungry materials, for drying air to prevent this frost, has not been commercially successful, since the change from a vapor to a liquid inevitably liberates heat.

The most successful method, therefore, for applying artificial refrigeration to air-cooling, requires a water-spray, a fan, a recirculating pump, and a system of distributing ducts.

Nature's method of cooling overheated animals is based on the evaporation phenomenon. Animals have pores in the skin which exude moisture. The moisture evaporates in the moving air, and the body is cooled. We can take advantage of the evaporation effect also in factories.

A stone house, having no damp-proofing in its walls to prevent carrying up ground water by capillary attraction, is always a cool house in warm weather—despite its bad reputation otherwise—because of the constant evaporation.

A factory in Buffalo has an exterior water-curtain which is used to wet down the walls and roof for fire-protection. It has been found that a great cooling effect in hot weather comes from wetting down the walls of this factory occasionally, even though the water may be very warm.

Another method of cooling by evaporation is to build the roof so that it will hold a shallow pool of water. The evaporation of the water in warm weather cools the pond and the rooms below.

The olla, a porous drinking-water jar and an institution in southern climes, cools the water to a refreshing degree by this same evaporation effect.

Although in this article we have been considering the evaporation phenomenon as an agent for cooling a building, we must not forget Nature's own method of applying evaporation cooling directly at the body. We can aid body evaporation by keeping the air in rapid circulation with fans, giving us a third method of cooling.

However we may cool the factory though, we must, if we expect satisfaction, arrange to prevent too rapid re-absorption of heat after the cooling has been effected. We would not get very far in cooling the butter and milk in the pantry machine unless we had a good ice-box.

The factory should, therefore, be a warmly built structure, capable of reflecting the radiant heat of the sun and of keeping out the heat. Such construction,

of course, is a great factor in keeping the winter heat in.

Dry wooden walls, built without hollow wall spaces, are excellent heat insulators. Hollow spaces between the building studs permit local interior air circuits, which carry heat from one side to the other. The currents increase as the height of the space is increased. For the most effective heat insulation, therefore, there should be no such local air currents. They can be prevented by filling the space with porous fire-proof materials, several of which are available commercially. Spaces between rafters should be closed similarly, for the insulation will give much cooler attics and top stories, as well as materially reducing coal consumption in the winter.

A New Way to Cool a Building

Recent observations with the Nicholls heat meter of the American Society of Heating and Ventilating Engineers have proved the effectiveness of another method of cooling a building. On a warm, sunny day the dark-colored roof on the United States Bureau of Mines at Pittsburgh absorbs heat very rapidly from outside. It was found, however, that if the roof were covered with a light-colored paint or cloth, the heat inflow ceased, while heat actually flowed back outside from the attic. This flow of heat was noticeable some little distance away from the hot roof.

It is calculated that a light-colored or light-reflecting roof surface would reduce the inflow of the sun's heat by some 40%, with a roof having otherwise the same heat-resisting qualities.

The fact that cold air is heavier than warm air materially affects the installation of any mechanical cooling system. If the air inlets and outlets are both at the floor, the cool air crosses the floor from inlets to outlets, and the hot air stays up above it, little affected by the process. If the air inlet is at the top and the outlet at the floor, the cool air falls to the floor, and unless very carefully diffused with many well distributed inlets and outlets, it still will short-circuit.

If the inlet is at the bottom and the outlet is at the top, the warmer air constantly will be withdrawn and the room gradually will cool off. If, however, there are any open doors or windows, the cool air will fall out through them like so much water, and the upper part of the room will be warm. Thus a basement which is reached only by stairs from above is usually a cool basement. It is easy to refrigerate such a room. When we cool a multi-story building, however, with dry cold air, we need tight doors at every story around all stairs and elevators, or we have one grand room comprised of the whole building, cool at the bottom and hot at the top.

Refrigerated buildings always should

have double windows, and vestibules or revolving doors, for at every opening great quantities of relatively cool air are lost.

Observing the few simple rules of heat insulation and reflection when constructing a new building will assure a much more comfortable housing in hot weather, and even old buildings can be insulated. This insulation may largely eliminate the necessity for expensive air-conditioning apparatus. However, when production depends on employees' efficiency, the investment for a capable cooling system may soon be returned in increased production, greater satisfaction for employees and a better product as a result.

POOR ARCHITECTURE LAID TO BUILDERS

David Tishman Says That False Economy Destroys the Architect's Best Efforts

NO LACK OF GOOD TALENT

Only \$12,000 Difference Between the Cost of a Beautiful and an Ordinary Structure

By DAVID TISHMAN

Vice-President of Julius Tishman & Sons, Inc.

In the light of the growing tendency, especially noticeable during recent years, to erect buildings severely plain in design and lacking proper architectural treatment, it is inevitable that there should have grown up a school of dissenting opinion as to the beauty and fitness of such buildings in the scheme of New York's physical development.

To whom should we attribute this condition, which in the minds of many thoughtful and influential men, is fast approaching a status where it calls for earnest consideration? The architect? Frankly, I do not believe the responsibility can be laid at his door. He is professionally responsible for the effect, but is not personally responsible for the cause.

There are no finer architects in the world than those of America. Public buildings, Churches, Cathedrals, private residences, hotels, apartment and business buildings are about us to tell us every minute of the day of capabilities of the architectural profession.

No one should appreciate the desire and ability of the architect to design buildings of beauty as well as usefulness more than the man whose business is that of building. In our own organization, during a period of thirty years we have come to realize to the full the logic of having

the architect design buildings that will best meet the purpose for which they are intended, and at the same time stand as monuments to architectural taste. It is the inclination and habit of mind of the architect to create the beautiful, just as is the intent of the owner and builder to erect structures that will best meet the needs and comply with the standards of those who are to use them. Where the result of an architect's work is reflected in a building that apparently indicates a lack of appreciation of the place and importance of proper architectural treatment, it is probable that he was compelled to design a building to order not only in its interior planning, where the owner is presupposed to know what is best, but in its exterior, where the owner can and too often does not impose unwise restrictions, both physically and financially.

It costs but little if any more to design a building that is pleasing to the eye than it does to design one lacking proper architectural treatment. To illustrate this truth, I might draw a comparison between the cost figures on a fourteen-story building erected in the style of the all too frequent unreliable facade.

This comparison shows that it would have cost the builder a matter of only \$12,000 additional to have produced a building that would have been as desirable architecturally as it is practical and well planned. Twelve thousand dollars, as compared with the hundreds of thousands of dollars that the completed building cost, makes the difference an almost insignificant one.

But it marks the difference between a building designed to an owner's orders who thought only in terms of its commercial fitness, and a building that would have gained considerably in its artistic value had the architect been permitted to exercise his artistic sense as well as his planning skill.

The subject of the external architecture in the business and residential buildings of New York City I believe to be of more than passing importance to the city at large. The initiative of the men who are financing and building our modern business and residential structures carries with it a responsibility to our city as well as to our next-door neighbors. We either are contributing to New York's worldwide reputation as a metropolis of splendid buildings that are at once a pleasure to the eye and a tribute to perfection in usefulness and utility, or we are erecting buildings that are so mediocre in their external physical aspects that they are a detriment to the city.

The visitors to our shores never cease to marvel at the building line of New York City. Whether their expressions of opinion come as they steam up the bay

and glimpse lower New York, with the Woolworth Building, the Singer Tower and the new American Telephone and Telegraph Company Building rearing their wonderful masses against the sky, or whether their appreciation results from a closer inspection of our great uptown Park Avenue section, or from a drive along Fifth Avenue or Riverside Drive it is a fact that this appreciation is all too often tempered with regretful comment that there are so many individual buildings that stand to disturb the harmony of beauty and dignity.

Matter-of-Fact Acceptance

We who live in New York accept our city as a matter of course. The miracles of building during the past decade have been so many that the man in the street comes and goes with hardly more than casual note of the structural marvels that are happening before his eyes. But each new building, whether it is only of neighborhood importance or whether it is of wider significance, I firmly believe should be an expression of good architecture. That does not imply extravagance by any means. It does not imply that every building that is erected must be a 100 per cent exposition of some school of architectural thought. It does not mean that the owner of a building intended for business should be compelled to rear a classic temple.

On the contrary, as one who has been so closely identified with the building of metropolitan structures, residential and business, I believe that the owner should have the fullest possible sway within the limitations of sound building practice, as to the kind of a building he may erect; and by the same token, he should be held strictly to account to erect buildings that will be as representative of high standards of taste externally as they are examples of fitness within their four walls.

No seeing man who raises his eyes above the level of the sidewalks can be blind to the all too many examples of buildings in important locations that are so utterly lacking in architectural beauty that they are quite properly subject to criticism. Who is to blame? The architect? With exceptions, I do not believe he is.

I venture to say that we, as investing builders, know perhaps as much as, if not more than, the architect, as to what the future tenants of the buildings we erect will expect to find in them in arrangement and facilities. The thousands of people who have leased space in our buildings have given us an education in what to incorporate or omit in our buildings that very few architects could hope to match. But when it comes to the outside of our buildings we defer to our architect.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner, Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BUILDERS

Ketcham, O. W. 121 N. 18th St., Phila.
Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick, Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick, Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F. Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co., 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F. Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F. Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)



1792 1927

"The Oldest
American
Fire and Marine
Insurance
Company"

PERSONAL POSSESSIONS

have an insurable value
all their own

It will cost you a very small amount
to insure against loss of personal effects
in transit, in club locker rooms, hotels
and public places—anywhere outside
your home.

Ask your agent for information about
North America Tourist Baggage Insur-
ance. You need not be a tourist to
benefit by this protection.

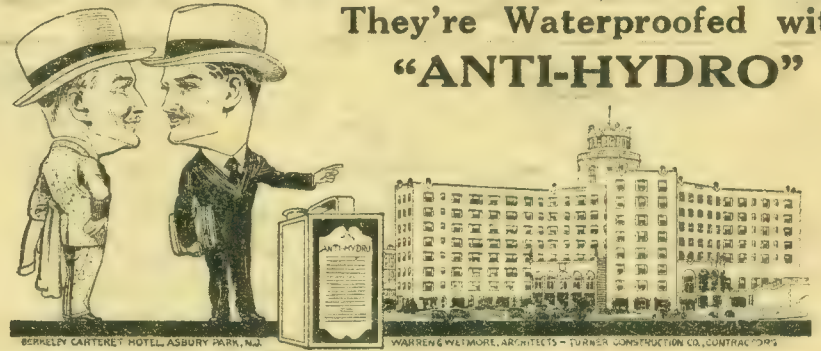
**Insurance Company of
North America**
PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

**Driving Rains and Salt Sea Air Cannot
Penetrate or Stain These Brick Walls—**

**They're Waterproofed with
"ANTI-HYDRO"**



Although this large hotel is situated on the ocean front at Asbury Park, New Jersey, the walls are always dry and the brick cannot stain from efflorescence coming from the mortar joints. That's because the cement mortar is mixed with "ANTI-HYDRO."

Driving rains, wintry winds and salt sea air have no effect on this masonry.

"ANTI-HYDRO" waterproofs and dampproofs portland cement mortar, and concrete *permanently*. Its small additional cost guarantees dry and stainless walls and is a profitable investment for any building, large or small.

Being a liquid compound which mixes readily with water, "ANTI-HYDRO" is extremely easy and economical to use. No additional labor is required for the mixing. And in addition to its many other advantages, "ANTI-HYDRO" makes cement mortar extremely plastic so that it spreads more easily. Use "ANTI-HYDRO" for your next brick job.

ANTI-HYDRO WATERPROOFING CO.
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

VINCENT MERCALDO MASON BUILDER

ALL KINDS OF STONE WORK, EXCAVATING AND QUARRYING

411 Locust Avenue, Germantown

Bell Phone—Germantown 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 34
August 24, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

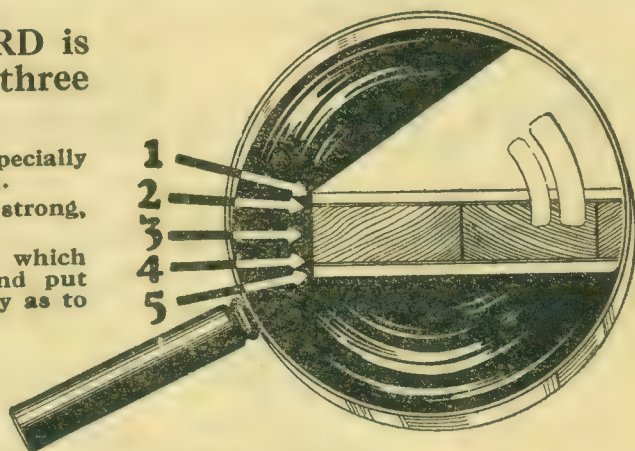
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

West Jersey Sand
and
Supply Corp.

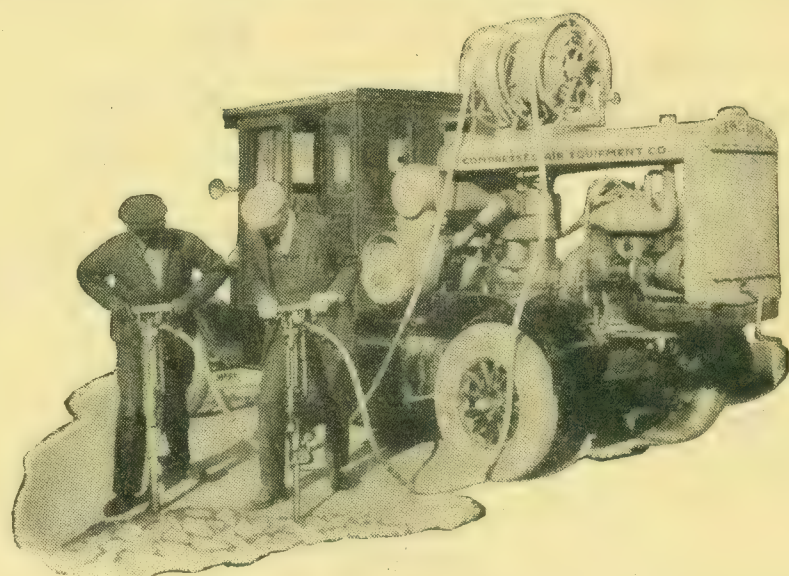
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

BankVaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE
Electric Refrigeration
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

FABRICATED STEEL IRON BARS

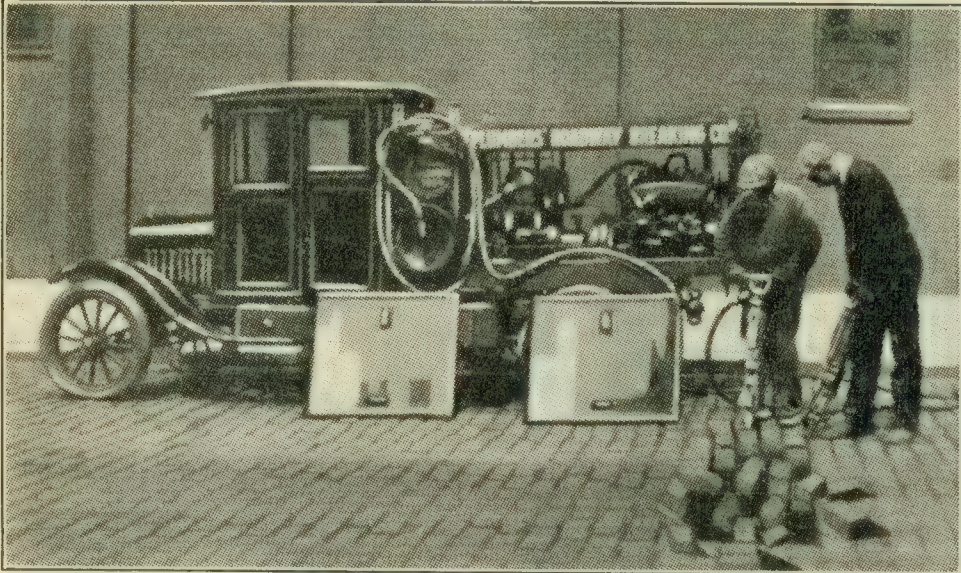
RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON Co.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

NEW ADDRESS

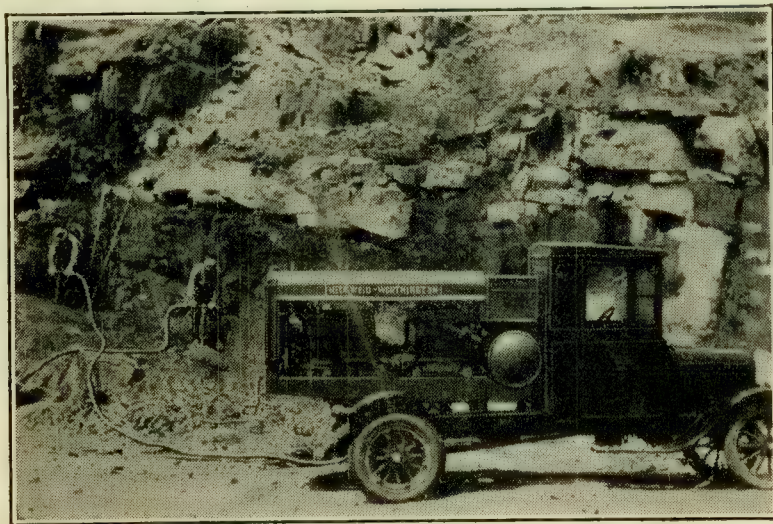
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII

Number 34

PHILADELPHIA

August 24, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, Northwest Corner Thirty-eighth and Chestnut streets, Philadelphia. Architect, Herman Kline, 709 Chestnut street, Philadelphia. Owner, William Grossman, care of architect. Brick, steel, 12 stories and basement, 158 apartments, 100x103 feet. Plans in progress.

Theatre, Fifth and Roselyn streets, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, H. Roy Whittaker, 726 Nedro avenue, Philadelphia. Brick, 1 story, 82x139 feet, slag roof, cement floors, steam heat, electric light. Plans in progress.

Garage, 2020 North Hancock street, Philadelphia. Architect, Herman H. Kline, 709 Chestnut street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 2 stories, 64x150 feet, slag roof, concrete floors, elevators, roof ventilators, electric light. Plans in progress.

Apartment House, 5551 Walnut street, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, Armen Kaloustian, 1001 South Sixtieth street, Philadelphia. General alterations. Plans completed.

Residences (108) Roslyn and Ferns streets, between Mascher and Front streets, Philadelphia. Architect, private plans. Owner, Francis B. J. Branagan, National Bank of North Philadelphia, 3726 North Broad street, Philadelphia. Brick, 2 stories. Work contemplated in fall of 1927.

Sales and Service Building, Fifty-seventh and Walnut streets, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Ware Brothers, care of Richard Ware, 4611 Walnut street, Philadelphia. Brick, 2 stories, slag roof. Plans in progress.

Church (alts.), Queen lane, West of Germantown avenue, Philadelphia. Architect, A. H. Savery, 1509 Locust street, Philadelphia. Owners, Trinity Lutheran Church, W. H. Emhardt, chairman, Building Committee, 5521 Germantown avenue, Philadelphia. Stone, 1 story, interior alterations, mill work. Plans in progress.

Apartment House, Wissahickon avenue and School lane, Philadelphia. Architects, Stetler & Deysher, 1015 Chestnut street, Philadelphia. Owner, Samuel Hankin, 5204 Gainor road, Philadelphia. Brick, 4 stories and basement, 106x104 feet, slag roof, hardwood floors, elevators, kalamein doors, tile work, metal lath, electric light, hot water heat. Owner taking sub-bids.

Factory, Belmont avenue and Thompson street, Philadelphia. Architects, Poggi & Winters, Equitable Building, Philadelphia. Owners, Central Const. & Supply Co., T. Shipley, president, 2222 Arch street, Philadelphia. Brick, 3 stories, 104x156 feet. Architects will be ready for bids in two weeks.

Residences (12), Nineteenth and Garnet streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner,

Martin A. Kohn, 350 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x27 feet, slag roof, hardwood floors, hot water heat, electric light. Owner taking sub-bids.

Residence (add. and alts.), 1211-13 North Tenth street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Samuel Evans, 809 North Eighth street, Philadelphia. Changing residences into assembly hall and apartment. Plans in progress.

Garage, Sixty-first and Media streets, Philadelphia. Architect, private plans. Owner, name withheld. Brick, steel, 1 story and basement, 40x125 feet, slag roof, cement floors, reinforced concrete, structural steel, coal chute, cellar doors, Wilson doors, ornamental iron, metal skylights, steel sash, hot water heat, electric light. I. Russell, 2938 Wharton street, taking bids due August 27th.

Church (add. and alts.), 234 Hermitage street, Philadelphia. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owners, Holy Family Roman Catholic Church, Rev. William Grace, 234 Hermitage street, Philadelphia. Stone, steel, 1 story and basement, 26x24 feet, built-up roof, cement and pine floors, ornamental iron, terrazzo work, metal lath, electric light (plumbing and heating reserved). Architect taking bids due September 3rd.

Interior Changes to Office Building, 415 Walnut street, Philadelphia. Architect, private plans. Owners, Travelers' Insurance Co.,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

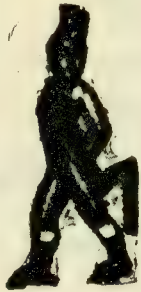
**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Mr. Juden, on premises. General alterations. Owners taking bids.

Residences (43), D, Courtland and Wingo-hocking streets, \$199,000. Architect, private plans. Owner, John T. Clasby, Cloverdale road and Rodman street, Jenkintown, Pa. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, electric lighting. Permit issued.

Residence and Store, Southwest Corner D and Courtlandt streets, \$6,000. Architect, private plans. Owner, John T. Clasby, Cloverly road and Rodman street, Philadelphia. Brick, 2 stories, 16x35 feet, slag roof, hot water heat, electric light. Permit issued.

Work Appurtenant to South Philadelphia Track Elevation. Owners, Pennsylvania Railroad, E. B. Temple, 607 Broad Street Station, C. W. Thorn, engineer of construction, Eastern Region. Contract 24, dredging material from Delaware River and placing same as fill in yard of Pennsylvania Railroad, East of Broad street. Owners taking bids due August 29th at 10 A. M. (Standard Time).

Pennsylvania Railroad Work, Philadelphia. Owners, Pennsylvania Railroad, C. E. Walsh, purchasing agent, 15 North Thirty-second street, Philadelphia. Contract 102, frogs, switches and crossbars. Contract 103, joint bars. Owners taking bids due August 30th at noon.

Contract No. 178, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Furnishing and installing sump pumps and equipment. Deposit, \$50, refunded. Certified check, 5 per cent. Owners taking bids due August 30th at 11 A. M. (Standard Time).

Residences (23), North side Wyndale street, East of Fifty-sixth street, Philadelphia, \$188,000. Architect, private plans. Owners, Kenin & Shapiro, Land Title Building, Philadelphia. Brick, 2 stories, 14x12 feet, 21x23 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

Residences (31), East side Seventeenth street, North of Sixty-fifth avenue, Philadelphia, \$157,000. Architect, private plans. Owner, G. H. McCracken, 3701 North Broad street, Philadelphia. Brick, 2 stories, 15x32 feet, 12x11 feet, slag roof, hardwood and pine floors, hot water heat. Permit issued.

Residences (5), West side Oakley street, North of Unruh street, Philadelphia, \$38,500. Architect, private plans. Owner, Hyman Korman, Martin's Mill road and Oakley street. Brick, 2 stories, 16x16 feet, 19x22 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (20), East side Alcott street, North of Loretta street, Philadelphia, \$81,000.

Architect, private plans. Owners, John M. Snyder & Son, Alcott and Loretto streets, Philadelphia. Brick, 2 stories, 15x27 feet, 12x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), East side Homer street, North of Haines street, Philadelphia, \$35,000. Architect, private plans. Owners, Carson Brothers, 507 Wellesley road, Philadelphia. Brick, 2 stories, 16x28 feet, 12x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (2), 6308-10 Shelbourne street, Philadelphia, \$8,400. Architect, private plans. Owner, J. Gabyelewicz, 4615 Benner street, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 49 feet, garage, 1 story, 10x20 feet, slag roof, pine and cement floors. Permit issued.

Open Shed, North side Clearfield street, East of Sixth street, Philadelphia, \$3,000. Architect, private plans. Owner, A. Schmerling, Twelfth and Spring Garden streets, Philadelphia. Frame, 1 story, 25x300 feet. Permit issued.

Residences (31), North side Glen Echo road, East of Cherokee street, \$263,500. Architect, private plans. Owners, Kenin & Shapiro, Land Title Building, Philadelphia. Brick, 2 stories, 14x12 feet, 20x23 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (44), Guilford and Sackett streets, Philadelphia, \$193,600. Architect, private plans. Owner, Harry Levin, 5255 Pine street, Philadelphia. Brick, 2 stories, 16x29 feet, 18x13 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Residences and Garages (11), McCallum street, North of Glen Echo road, Philadelphia, \$115,500. Architect, private plans. Owners, Kenin & Shapiro, Land Title Building, Philadelphia. Brick, 3 stories, 14x12 feet, 20x23 feet, garage, 1 story, 10x20 feet, slag roof, hardwood, pine and cement floors, electric light. Permit issued.

Residence, 6900 Oakley street, Philadelphia, \$7,000. Architect, private plans. Owner, A. Anthony Loepallut, 6904 Oaklyn street, Philadelphia. Brick, 2 stories, 16x49 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences (40), 4113-49 and 4114-54 Maywood street, Philadelphia, \$152,000. Architect, private plans. Owner, Alfred C. Leechler, 3705 Germantown avenue, Philadelphia. Brick, 2 stories, 15x28 feet, 11x12 feet, slag roof, pine floors, electric light. Permit issued.

Garage (add.), 233-35-37 Tasker street,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

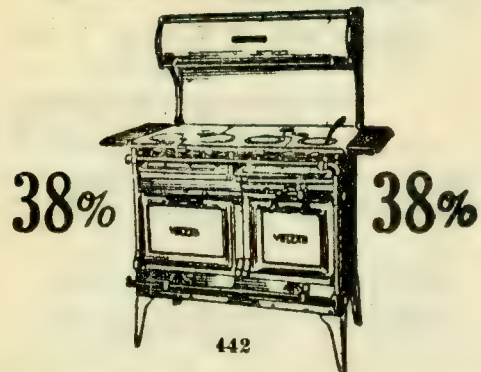
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

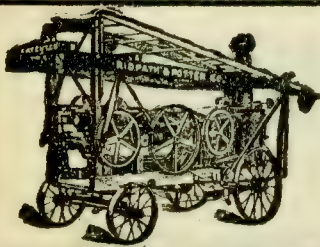
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Berings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.

22nd & Cambria Sts.
Phila. Pa.

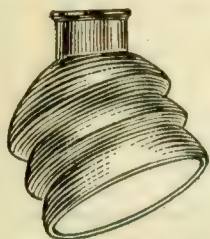


You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Philadelphia, \$10,000. Architect, private plans. Owner, George Adams, 232 Greenwich street, Philadelphia. Brick, 1 story add., 54x169 feet, slag roof, cement floors. Permit issued.

Garage and Storage Building, 4102 Manayunk avenue, Philadelphia, \$4,800. Architect, private plans. Owner, Michael Duva, 4100 Manayunk avenue, Philadelphia. Brick, 2 stories, 35 feet 5 inches x 85 feet 4 inches, slag roof, cement floors, electric light. Permit issued.

Alterations and Additions, S. W. Cor. 20th and Brandywine streets. Architect, A. L. Nicholson, 428 Schaff Building, Phila. Owners, Gospel Tabernacle of Christian and Missionary Alliance, on premises. Brickwork, cut stone, stone work, steel and iron, plastering, carpentry, millwork, cabinet work, slag roof, sheet metal work, hardware, tile painting, glazing, plumbing (heating and electric reserved). Architect taking bids due Aug. 25th.

Club (alts. and add.), 1412 N. 16th street, Phila. Architect, Eugene A. Stopper, 10 S. 18th street, Phila. Owners, Swiss Club, on premises. General alterations and additions. Plans completed. Architect ready for bids.

Theatre, Apartment and Office, Germantown, Pa. Architect, Robeson Lea Perot, 137 Harvey Street, Phila. Owner, name withheld. Brick, concrete, structural steel, 4 stories, 85x160 feet, cement, tile and wood floors. Plans in progress.

Apartment House, Stores and Office, Germantown, Phila. Architect, Robeson Lea Perot, 137 Harvey street, Phila. Owner, name

withheld. Face brick, limestone, terra cotta, fireproof, 5 or 6 stories, 70x200 feet. Plans in progress.

Supplies, Philadelphia. Owners, Eastern State Penitentiary, Herbert Smith, Acting Warden, 2107 Fairmount avenue, Phila. Reinforced standard railroad reinforced concrete curbs and pipe. 42 pieces 50 inches diameter, 50 inches long, 20 pieces 12 inches diameter, 4 foot long, to be delivered at Gratersford, Pa.

Grading and Paving, Philadelphia. Owners, Dept. of Public Works, Bureau of Highways, 216 City Hall, Phila. (Inquire Room 232). Grading and repaving Allen, Bath and Victoria streets. Grading and improving City Line Avenue and Northwest Avenue. Owners taking bids due Aug. 29th at 11 A. M. (S. T.). Certified check, 5%.

Bridge, Line of 61st street over Chester branch of P. & R. Owners, Dept. of Public Works, Bureau of Engineering, Phila. Owners, Room 611 City Hall, taking bids due Aug. 1st at 11 A. M. (S. T.). Certified check, 5%.

Alterations and Addition, 5247 Market street, Phila. Architect, J. W. Thompson, 703 S. 60th street, Phila. Owner, Harry M. Clair, on premises. Brickwork, marble, bronze, grills, plate glass, concrete floors, carpentry, millwork, plastering. Architect taking bids due as soon as possible.

Residences (14), S. side Penn street, W. of Magnolia street, \$43,400. Architect, private plans. Owner, A. McEntee, 4619 Whittaker street, Phila. Brick, 2 stories, 15x24 feet, 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Main Building and Service Building (alts. and add.), Germantown, Phila. Architect, Robeson Lea Perot, 17 Harvey street, Phila. Owner, Germantown Academy, School Lane and Germantown Ave., Phila. Masonry, cut stone, structural steel, metal ceilings, plumbing, cement work, cement hardener, painting, plastering, asphalt floors. Contract awarded to W. O. Springer, 2004 Naudain street, Phila.

Factory, Reed street between 33rd and 34th streets, Phila. Architect, Private plans. Owners, John G. Lorens Corp., 1011 Chestnut street, Phila. Brick, steel, 1 story, 50x270 feet; 40x100 feet; 30x100 feet; slag roof, ce-

ment floors, steam heat, electric light, rolled steel sash. Contract awarded to Farrell-Roth Co., 21st and Walnut streets.

Garage (add.), Twenty-third street, South of Market street, Philadelphia. Architects, Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Automobile Club of Philadelphia, 23 South Twenty-third street, Philadelphia. Brick, reinforced concrete, steel, 2 stories and basement, 220x120 feet, gypsum slag roof, composition and cement floors, hollow tile, waterproofing and damp-proofing, iron stairs, iron work, floor hardener, bond, fire kalamein doors, steel sash

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

and skylights, steel partitions. Contract awarded to H. E. Baton, 1713 Sansom street, Philadelphia.

Store, 6100 Ridge avenue, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owners, Roxborough Realty Co., S. and G. Felt, 6168 Ridge avenue. Brick, steel, limestone, granite, 2 stories and basement, 63x104 feet, built-up roof, cement, maple and oak floors, metal ceilings, area gratings, wrought iron pipe, ornamental iron, hollow metal doors, steel sash, metal lath, electric work, steam heat. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Workshop (alts. and add.), 1304-12 West Cumberland street, Philadelphia. Architects, Watt & Coscia, 1504 Locust street, Philadelphia. Owner, Conrad Wacker, on premises. Brick, reinforced concrete, steel, new second story, 78x72 feet, slag roof, maple floors, plumbing, hot water heat, electric light, rolled steel sash, hollow metal doors, bond, ornamental iron, iron pipe, concrete work and ramp. Contract awarded to E. E. Hollenback, Inc., 1910 North Marshall street, Philadelphia. (Note change.)

Garages, Columbia avenue, Front and Blair streets, Philadelphia. Architect, W. E. S. Dyer, Land Title Building, Philadelphia. Owners, Philadelphia Motor Service Co., Nineteenth and Buttonwood streets. Brick, reinforced concrete, steel, 1 story, 146x110 feet, gypsum roof, cement floors, safety treads, roof ventilators, architectural terra cotta, metal lath, steel sash, hollow metal doors, ornamental iron. Contract awarded to Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Office Building (add.), 225 South Sydenham street, Philadelphia. Architect, E. A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Charles Kahn, Morris Building, Philadelphia. Brick, reinforced concrete, steel, cut stone, 2 stories, basement and mezzanine, 75x20 feet, slag roof, oak and cement floors, elevators, plumbing, dampproofing, gypsum block partitions, area gratings, bronze, wrought iron pipe, casement windows, fire doors, tile, marble and terrazzo, steel sash and skylights. Contract awarded to J. L. Fawley Co., 1615 Spruce street, Philadelphia.

High School (add.), Girard avenue and Corinthian avenue, Philadelphia. Engineers, Day & Zimmerman, 1000 Walnut street, Philadelphia. Owners, Girard College, on premises. Carpentry, mill work, brick work, concrete excavation. Contract awarded to Robert E. Lamb, 843 North Nineteenth street, Philadelphia.

Basement Cafeteria, Eighth and Ranstead streets, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owners, Gimbel Brothers, Eighth and Market streets, Philadelphia. Stone, brick, carpentry, mill work, hollow metal doors, sheet metal work, plastering, metal lath, plumbing, kitchen and cafeteria equipment, electric work, painting, glazing, composition floors, marble work, bond. Contract awarded to S. H. Levin, Elrae Building, Philadelphia.

Torresdale Central Office Building, Grant and James streets. Architect, private plans. Owners, Bell Telephone Co., Seventeenth and Parkway, Philadelphia. Carpentry, mill work,

metal lath, plastering, electric work, heating alterations, plumbing, painting, glazing. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

Garage, 27-31 South Fourth street, Philadelphia, \$51,000. Architect, E. A. Roth, Drexel Building, Philadelphia. Owner, A. Winegrad, on premises. Reinforced concrete, brick, steel, 2 stories and basement, 126x50 feet, asphalt built-up roof, cement floors, wrought iron pipe, rolled steel sash and doors, terrazzo work, electric light, steam heat, cast stone, plumbing. Contract awarded to William McBride & Co., 1211 Walnut street, Philadelphia.

Storage Building (alts.), 13 to 19 North Water street, Philadelphia, \$8,000. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Estate of Stephen Girard, Lafayette Building, Philadelphia. Reinforcing floors, structural steel, concrete footings, brick work. Contract awarded to E. H. Keefer & Son, 1321 Rodman street, Philadelphia.

Show Room, Twelfth and Spring Garden streets, Philadelphia, \$8,000. Architect, private plans. Owners, Charles Finney & Son, on premises. Brick, 1 story, 50x50 feet, cement floors, slag roof, gas radiation heat, electric light, rolled steel sash, fire doors, bond, ornamental iron, plumbing, dampproofing, architectural terra cotta, wall finish. Contract awarded to Schaefer & Co., 1600 Arch street, Philadelphia.

Building, Nineteenth and Buttonwood streets, Philadelphia. Architect, private plans. Owners, Otis Elevator Co., Sixteenth and Sansom streets, Philadelphia. Brick, reinforced concrete, granite, steel, 3 stories and basement, 162x60 feet, tile, asbestos built-up roof, cement floors, hollow tile, plumbing, roof ventilators, metal weather strip, cast stone, rubber tile floors, sprinklers, steel shutters, ornamental iron, floor hardener, bond, hollow metal doors, steel skylights, steel sash, tile and marble, metal lath, oil burners, steam heat, electric light. Contract awarded to Doyle & Co., 1519 Sansom street, Philadelphia.

Residence (add. and alts.), Wissahickon and Germantown avenues, Philadelphia. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, J. Somers Smith, 6700 Wissahickon avenue, Philadelphia. Cement, concrete, stone, cut stone, flagstone, marble work, tile, iron work, painting, carpentry, mill work, shingle roof, linoleum, slag roof, metal lath, plastering, glazing. Contract awarded to William J. Ryder, 1725 Sansom street, Philadelphia.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

Hood Tile Is Good Tile

ROOFING TILE AND QUARRIES
PHILADELPHIA ELECTRIC CO.
AND
DREXEL & CO.
INSTALLS ON THE ROOF OF THEIR NEW BUILDINGS
HOOD'S PYRO-TYNT
PROMENADE TILE

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

MANUFACTURED BY
B. MIFFLIN HOOD BRICK CO
DAISY, TENN.

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phone—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

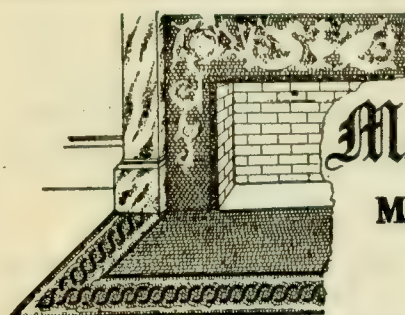
THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

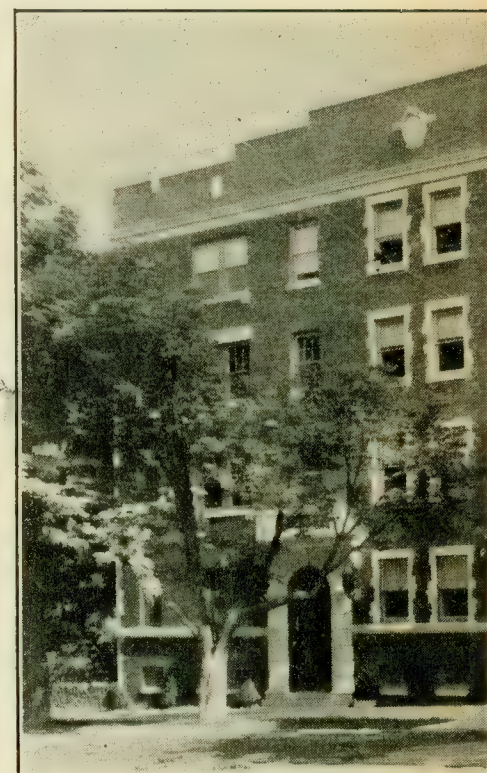
Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

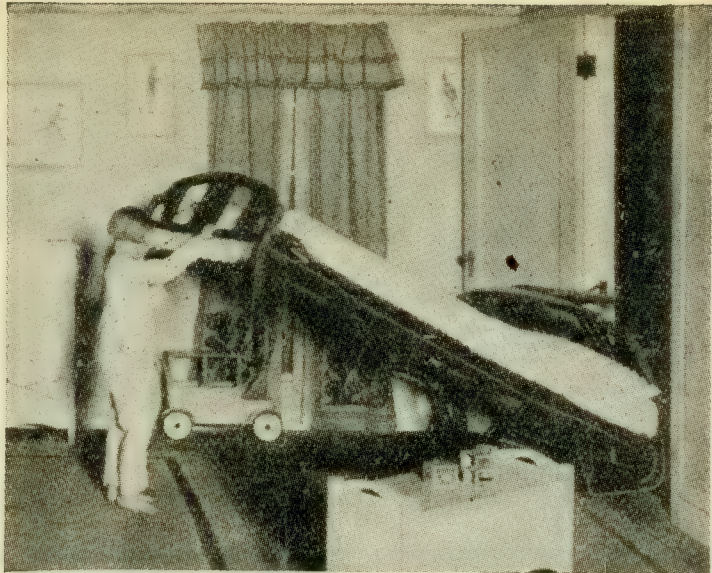
STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

BEDS

omes
rings

call at our
ain kitchen
g boards as
Beds

D CO.
ey Building
44th Street
w York
t BED



A child can operate the bed

omfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

rfaces

cks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application

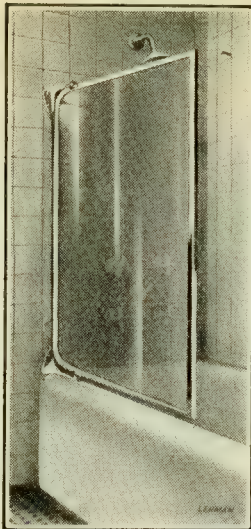
es it prevent moisture
lso covers the surface
es flat. It does not
e masonry.



The Truscon
Laboratories
1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.
Office, 435 Green St. Factory, 432 Wallace St.
Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.
1101-19 No. Front St., Phila.
Regent 1100 Park 2345

CURTIS WOODWORK AND LUMBER

The GILLINGHAM CO.
NORRIS and RICHMOND STS.
PHILADELPHIA, PA.
East 7975 Kensington 2343

Stores (3), 8506 Germantown avenue, Philadelphia, \$18,000. Garage, 3 West Highland avenue, Philadelphia, \$5,000. Owners, A. &

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

R. Allen, 5 West Highland avenue, Philadelphia. Brick, 1 story, 16x43 feet, garage, 1 story, 48x48 feet. Contract awarded M. R. Grebe, 5 East Highland avenue, Philadelphia.

Store and Storage (alts.), 2258-60 North Front street, Philadelphia, \$9,000. Architect, private plans. Owners, S. J. Lyons Co., on premises. General alterations. Contract awarded Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Residence (alts.), 2027 Spruce street, Philadelphia, \$5,000. Architect, private plans. Owner, Aaron Brov, 917 Spruce street, Philadelphia. General alterations. Contract awarded to H. Chary, 959 North Eighth street, Philadelphia.

Residences (42), East side Montague street, South of St. Vincent street, \$152,600. Architect, private plans. Owner, Joseph Andress, 4820 Large street, Philadelphia. Brick, 2 stories, 14x27 feet, 10x10 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded Benjamin Zorocloff, 7046 North Baneroff street, Philadelphia.

Residence and Store (add. and alts.), 6308 Woodland avenue, \$7,500. Architect, private plans. Owner, Edward Fishman, on premises. Brick, 1 story add., 17x14 feet, general alterations. Contract awarded to A. S. Kirpisch, 3211 West Oxford street, Philadelphia.

Rooming House (alts.), 1815 South street, Philadelphia, \$5,000. Architect, private plans. Owner, Frank Sagerman, on premises. General alterations. Contract awarded to Wolf Sheffit, 1029 Wyoming avenue, Philadelphia.

Storage Building, North side Aramingo street, East of Fletcher street. Architect, private plans. Owners, Artesian Well Drilling Co., on premises. Brick, 1 story, 53x35 feet 4 inches. Contract awarded to Kitchin & Blackburn, 1920 Sparks street.

Administration Building, East side Adams avenue, North of Orthodox street, Philadelphia, \$40,000. Owners, LaFrance Textile Co., 4429 Frankford avenue. Brick, 2 stories, 107x91 feet, slag roof, steam heat, electric light. Contract awarded to Wintz Brothers, Inc., 1618 Sellers street.

Garage, Southwest Corner Twenty-fourth and Hagert streets, Philadelphia, \$18,000. Architect, private plans. Owner, John Ashton, 5302 North Fifth street, Philadelphia. Brick, 1 story, 112x100 feet, slag roof, cement floors. Contract awarded to Northern Cons. Co., 5302 North Fifth street.

Garage (add.) and Show Room, 5 West Highland avenue, Philadelphia, \$10,000. Owners, A. & R. Allan, on premises. Brick, second story add., 64x34 feet, slag roof, cement floors. Contract awarded to Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Residences (2), South side Eastwick avenue, West of Eightieth street, Philadelphia, \$10,000. Owner, John Iverkus, 8619 Bartram

avenue, Philadelphia. Brick, 2 stories, 16x46 feet, 16x9 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to John Rae, 8124 Gibson avenue, Philadelphia.

Residence, North side Sanford street, West of Bensalem avenue, Philadelphia, \$7,200. Architect, private plans. Owner, Samuel Foster, Torresdale, Philadelphia. Stone and frame, 2 stories, 24x30 feet 6 inches, hardwood and pine floors, hot water heat, electric light. Contract awarded to B. Harold Worthington, Clark street, Bustleton, Philadelphia.

Residence and Store (add. and alts.), 6416 Woodland avenue, \$4,500. Owner, Joseph Bellmow, 1802 Market street, Philadelphia. Brick, 2 stories add., 16x16 feet, general alterations. Contract awarded to Jacob Satler, 1408 North Marshall street.

Boiler Room, East side Seventeenth street, South of Washington avenue, \$3,500. Owners, Berger Mfg. Co., Sixteenth and Washington avenue, Philadelphia. Brick, 1 story, 24x121 feet. Contract awarded to Metzger, Fisher & White, Otis Building, Philadelphia.

Pennsylvania Construction News

Church, State College, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Phila. Owners, St. Andrew's P. E. Church, State College, Pa. Architects taking bids due Sept. 2nd at noon.

School, Delmar Township, Tioga County, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street. Owners, Asbestos Buildings Co., Liberty Title & Trust Bldg., Phila. 4 rooms. Plans completed.

Residence (alts.), near Calcium, Pa. Architect, Robeson Lea Perot, 137 Harvey street, Phila. Owner, name withheld. Stone, 2½ stories, 40x60 feet, slate roof plumbing, heating, painting, glazing. Plans in progress.

Club House (alts. and add.), Seranton, Pa. Architect, John J. Howley, Traders' Bank Building, Seranton, Pa. Owners, Fraternal Order of Eagles, 227 Wyoming avenue, Seranton, Pa. Brick, 4 or 5 stories, 82x40 feet, hardwood floors, electric light. Plans in progress.

Gas Station and Store and Apartment Building, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Kirk Johnson, 3320 King street, Lancaster, Pa. Brick, 2 stories (3 apartments). Plans in progress.

Warehouse, Allentown, Pa. Architect, David Levy, 25 North Sixth street, Allentown, Pa. Owners, Prince Furniture Co., care of architect. Brick, steel, 2½ stories, 47x90 feet, slag roof, wood floors, electric light, steel sash. Plans in progress.

Sewage Disposal Plant, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village, Laurelton, Pa. Plans in progress.

Apartment House, Old Lancaster road and Merion avenue, Bryn Mawr, Pa. Architect, Herman H. Kline, 709 Chestnut street, Philadelphia. Owners, Harry Benner and Francis B. J. Branagan, National Bank of North Philadelphia, 3726 North Broad street, Phila-

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

delphia. Brick, steel, cast stone, 3 stories, 53 apartments. Revised plans in progress.

Garage, Montgomery avenue, Haverford, Pa. Architects, Carere & Hastings, 52 Vanderbilt avenue, New York. Owner, Mrs. S. Lewis Ziegler, Haverford, Pa. Brick, stucco, limestone, 2 stories and basement, 92x25 feet, black slate roof, pine and cement floors, hollow terra cotta block, plumbing, waterproofing and dampproofing, area gratings, iron pipe, ornamental iron, floor hardener, tile work, metal lath, electric light, hot water heat. Revised plans in progress.

Store Building (alts.), 526-28-30-32 Market street, Chester, Pa. Architect, Harold Holmes, manager, Architectural and Engineering Department, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brick work, concrete and cement, structural steel, iron work, sheet metal work, carpentry, mill work, metal lath, plastering, tile and marble, terrazzo, painting, glazing, copper store fronts, metal weather strip, linoleum floors, bond, waterproofing, granite, metal partitions, maple floors, Celotex, dumb waiters, metal skylights, repairs to roof, metal ceilings, roof ventilators, fire doors, plumbing, steam heat, electric work, ventilating, wrought iron pipe, size of building 2 stories and basement, 74x106 feet. Owners taking bids due August 30th.

School, Eddystone, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, School District of Borough of Eddystone, William Johnson, Jr., secretary, Eddystone, Pa. Alterations and additions, general construction, heating, ventilating, plumbing and electrical work. Deposit on general construction, \$25, refund \$15. Deposit on mechanical work, \$15, refund \$10. Certified check. Owners taking bids due September 14th at 8 P. M. (Daylight Saving Time).

Fire Tower, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown. Owners, Commonwealth Building, Allentown, Pa., care of architects. Steel, brick, 7 stories, 78x14 feet, built-up roof, elevator doors, stair enclosure, iron stairs. Architects taking bids due September 1st.

School, Southampton, Pa. Owners, Board of Education, Mrs. J. W. Noble, secretary, Southampton, Pa. Brick, frame, 1 story and basement, 82x47 feet, asbestos shingle roof, pine floors, painting, glazing, concrete block. All bids rejected. A. Oscar Martin, architect, Doylestown, Pa., will prepare new plans.

Residence and Basement Garage, Ardmore and Pleasant avenue, Wyndmoore, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owner, Philip R. Markley, Bourse Building, or Willow Grove avenue, Philadelphia. Stone, 2½ stories, 30x58 feet, wing 18x24 feet, slate roof, hardwood, tile and cement floors, steel sash, (3) tile baths, electric work, vapor heat. Owner taking sub-bids.

Store, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Ruben Mainker, B. and B. Building, Allentown, Pa. Brick, steel, 3 stories, 30x100 feet, slag roof, yellow pine floors, steam heat, electric light, metal lath, tile work, fire doors,

iron stairs, ornamental iron. Owner will build.

Hotel, Kingston, Pa. Architect, Walter C. Ellsworth, 226 South Fifteenth street, Philadelphia. Owner, L. B. Ellsworth, 1411 Wyoming avenue, Forty Fort, Pa. Brick, 12 stories. Will be ready for bids in two months.

Power House, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Arcadia Mills, 749 Pittston street, Allentown, Pa. Brick, steel, 1 story, 70x70 feet, slag and slate roof, cement floors, electric light, steel sash, wrought iron pipe, bronze. Architects will be ready for bids first of next week.

Dye House, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Arcadia Mills, 749 Pittston street, Allentown, Pa. Brick, frame, 1 story, 90x150 feet, slag roof, wood and concrete floors, roof ventilators, fire doors, electric light. Architects will be ready for bids first of next week.

Residence (add. and alts.), Newtown, Pa. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Mr. Chambers, care of architect. Stone, 2 stories, irregular size, slate roof, hardwood floors, electric light, tile work. Architect ready for bids.

Lodge and Apartment Building, Coplay, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, P. O. S. of A., John Frichert, secretary, Coplay, Pa. Architect ready for general bids due in about two weeks.

School No. 42 (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Scranton School Board, 425 North Washington avenue, Scranton, Pa. Brick, steel, 2 stories, 8 rooms, built-up roof, maple floors, safety treads, roof ventilators, waterproofing and dampproofing, iron stairs, bond, fire doors (heating, plumbing, electric separate). Owners will be ready for bids next week.

Club House (alts.), Washington avenue, Scranton, Pa. Architects, E. H. Davis and George M. C. Lewis, Board of Trade Building, Scranton, Pa. Owners, Scranton Club, H. Conrad, 715 North Irving street, Scranton, Pa. Brick, 3 stories, tile and marble, general interior alterations. Architects will be ready for bids in about two weeks.

High School, Twenty-first and Market streets, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owners, Harrisburg Diocese, care of Rev. F. X. Feeser, 111 State street, Harrisburg, Pa.

Fireproof, 2 stories and basement. Preliminary plans being drawn.

Auto Sales and Service Buildings, Baltimore avenue, Lansdowne, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, August Wright, Lansdowne, Pa. Plans completed. Architect ready for sub-bids.

Sales and Service Building, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Klein Motor Co., 70 West Broad street, Bethlehem, Pa. Fireproof, 1 story, 85x220 feet, slag roof, concrete floors, waterproofing and dampproofing, ornamental iron, steel sash, tile work, electric light. Architects taking bids.

Sectional School Building, Darby Township, Pa. Owners, Board of Education of Darby Township, Howard A. Fisher, Box 255, Sharon Hill, Pa. Supplying and erection of one-room sectional school, approximately 24x36 feet, foundations concrete block, 8 inches x 3 inches, concrete footings, red brick chimney lined with 16-inch x 16-inch terra cotta. Owners taking bids due August 27th at 7.30 P. M. (Standard Time).

Fraternity House, State College, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Theta Kappa Pi Fraternity, State College, Pa. Stone, steel, 3 stories, 120x34 feet, slate roof, oak floors, cut stone, iron stairs, tile work, electric light. Lowest bidder: F. D. Beyer, Tyrone, Pa.

School, Exeter, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, Exeter Borough School Board, J. Trusko, secretary, Exeter, Pa. Fireproof, 2 stories and basement, 45x132 feet, slag roof, pine floors, roof ventilators, hollow tile, iron stairs, fire doors, metal lath (heating,

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

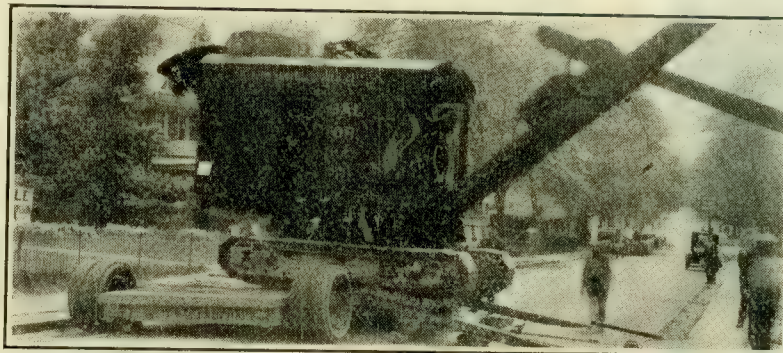
Preservative Coatings For

BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

plumbing, electric separate). Will be ready for revised bids next week.

Amusement Hall, Plymouth, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Polish Alliance of America, care of architect. Steel, brick, 3 stories, 63x129 feet, built-up roof, hardwood floors, hollow tile, ornamental iron, iron stairs, bond, kalamein doors, steel sash, tile and marble, metal lath. Architect taking bids due August 25th.

Residence, Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Fred Eddy, 266

Horton street, Wilkes-Barre, Pa. Frame, 2½ stories, 30x72 feet, slate shingle roof, hardwood floors, vapor heat, electric light. Owner will build.

Store Building, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, J. Howard Hay, Jenkintown, Pa. Architect taking bids due August 26th.

Armory, Carbondale, Pa. Architect, Raymond E. Tiffany, M. and M. Building, Carbondale, Pa. Owners, Armory Board of State of Pennsylvania, Brigadier General Frank D. Beary, chairman, Harrisburg, Pa.; Benjamin W. Demming, secretary, Harrisburg, Pa. Brick, limestone, steel, 1 story, basement and ground floors, 68x121 feet, slag roof, cement and maple floors, ornamental iron, kalamein doors, steel sash, marble and terrazzo, metal lath, asbestos sheet tile. Owners taking bids due August 29th.

Residence, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, J. Smiley Herkness, Tenth and Lombard streets, Philadelphia. Architect taking revised bids due August 30th.

Road Work, Pennsylvania. Owners, State Department of Highways, Harrisburg, Pa. Owners taking bids due September 1st at 10 A. M.

Beaver County, A-216, 217, 4846, Economy Township, 21,180 feet. One course reinforced concrete. Certified check, \$3,000.

Blair County, R-55, Sec. 4, Logan Township, 22,633 feet. One course reinforced concrete. Certified check, \$3,000.

Butler County, A-4544, Winfield Township, 17,050 feet. One surface course on reconstructed stone base course. Certified check, \$2,000.

Chester County, R-543, Tredyffrian Township, 7,407 feet. One course reinforced concrete. Certified check, \$1,500.

Dauphin County, R-509, Swatara Township, 4,031 feet. One course reinforced concrete. Certified check, \$1,000.

Greene County, R-112, Sec. 4, A-4238A, Cumberland Township, Carmichaels Borough, 5,407 feet. One course reinforced concrete. Certified check, \$500.

Lebanon County, R-140, Swatara and Bethel Townships, 10,295 feet. One course reinforced concrete. Certified check, \$2,000.

Lebanon County, R-444, A-4806, Union and Mahoning Townships, 10,076 feet. One course reinforced concrete. Certified check, \$2,000.

Lycoming County, R-289, 331, A-4772, South Williamsport Borough, 7,039 feet. Vitrified brick pavement with bituminous filler on concrete base. Certified check, \$1,500.

McKean County, R-95, Kane Borough, 3,286 feet. One course reinforced concrete. Certified check, \$1,000.

Monroe County, A-3760-A, Jackson Township, 10,452 feet. Grading and drainage. Certified check, \$500.

Northampton County, A-4807-4808, Freemansburg Borough, Bethlehem City, 4,133 feet. One course reinforced concrete. Certified check, \$1,000.

Northumberland County, R-161, Coal and Aalpo Townships, 11,825 feet. One course reinforced concrete. Certified check, \$2,000.

Bridge, Bucks County, R-153, Richland Township, over track of Lehigh Valley Transit Co. Reinforced concrete, 1 span, 42 feet long, 30 feet roadway, (2) 5-foot sidewalks, approach fill, grading. Certified check, \$1,000.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due September 2nd, at 10 A. M.

Blair County, R-493, A-5019, Logan Township, 4,200 feet. One course reinforced concrete. Certified check, \$1,000.

Cambria County, R-221, Patton Borough, 1,901 feet. Vitrified brick pavement with bituminous filler on concrete base. Certified check, \$500.

Crawford County, R-200, A-4780-4781, Sparta and Bloomfield Townships, 25,705 feet. One course reinforced concrete. Certified check, \$3,000.

Dauphin County, R-140, A-4840, East Hanover Township, 21,660 feet. One course reinforced concrete. Certified check, \$3,000.

Dauphin County, R-370, Penbrook Borough, Susquehanna Township, 2,764 feet. One course reinforced concrete. Certified check, \$500.

Erie County, R-86, Sec. 3, Fairview Township, 1,249 feet. One course reinforced concrete. Certified check, \$500.

Huntingdon County, R-46, Sec. 2, Hope-well Township, 17,132 feet. One course reinforced concrete. Certified check, \$2,500.

Northampton County, R-175, Sec. 5, A-4915, Walnutport Borough, 4,393 feet. One course reinforced concrete. Certified check, \$1,000.

Northumberland County, R-18, Northumberland Borough, 2,824 feet. One course reinforced concrete. Certified check, \$1,000.

Somerset County, R-186, Sec. 1, A-4701, Somerset Borough, 859 feet. One course reinforced concrete. Certified check, \$500.

Tioga County, R-21, Putnam and Covington Townships, Blossburg Borough, 22,373 feet. One course reinforced concrete. Certified check, \$3,000.

Washington County, R-108, Sec. 3, North Strabane Township, 6,357 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, A-305-306, 351, Bell and Salem Townships, 21,975 feet. One course reinforced concrete. Certified check, \$2,000.

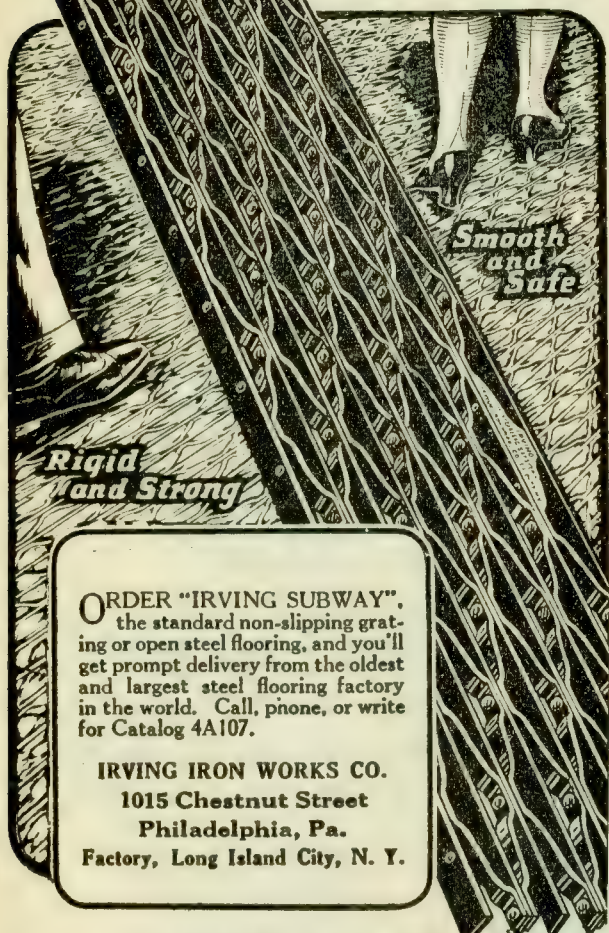
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings —*



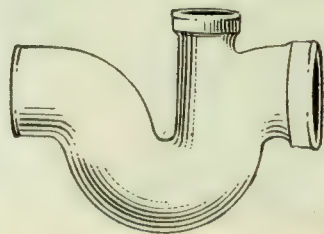
Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**



**When you want Prompt Service, Intelligent Co-operation and Reliable
SEWER PIPE, FLUE LINING, WALL COPING
CALL—COLUMBIA 6526-6527. PARK 4981**

William H. Clausen
27th and Diamond Streets, Philadelphia

Bell Telephone

JOHN W. LEWIS
**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Street Paving, Ridley Park, Pa. Architects, Damon & Foster, Upper Darby, Pa. Owners, Township of Ridley Park, M. E. Hoopman, Ridley Park, Pa. Owners taking bids due September 7th, at 8 P. M.

Pennsylvania Contracts Awarded

Southwest Grade School, Reading, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, School District of Reading, George Beggs, president, Eighth and Washington streets, Reading, Pa. Brick, steel, cut stone, 2 stories and basement, 239x231 feet, built-up roof, maple, cement and composition floors, hollow tile. Contract awarded Gilpatrick-Dawson Co., Pittsburgh, Pa., \$289,000. Plumbing, Wasner & Reddig, 206 North Sixth street Reading, \$16,000.

Bridge, Glenside, Pa. Owners, Reading Company, 12th and Market streets, Phila. Reinforced, encased girder bridge. Contract awarded to Richard Foley, Pittsburgh, Pa.

Residence (alts. and add.), Melrose, Pa. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, Thomas Develon, Jr., on premises. Frame, 2½ stories and basement, 10x15 feet, 11x6 feet, matching present roof, stone work, brick work, cut stone, cement and concrete, reinforced concrete, sheet metal work, carpentry, mill work, plastering, metal lath, painting, glazing, tile and marble, plumbing, electric work, steam heat, bluestone, flagstone. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

Grade School, Jenkintown, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, Jenkintown, Pa. Cement work, carpentry, mill work, plastering, tile work. Contract awarded I. Demarest, 10 South Eighteenth street, Philadelphia, \$4,130.

Garage (repairs), Elkins Park, Pa. Architects, Stackhouse & Donohue, 266 South Fifteenth street, Philadelphia. Owner, Charles Silverman, Elkins Park, Pa. General interior alterations, fire repairs. Contract awarded to W. J. Gruhler Co., 219 East High street, Philadelphia.

Residence (add. and alts.), Sycamore Mill, Delaware County, Pa. Architect, Carl A. Ziegler, 1912 Walnut street, Philadelphia. Owner, Walter Roach, Sycamore Mill, Pa. Stone, 2½ stories and basement, 32x41 feet, shingle roof, oak and pine floors, plumbing, painting, ornamental iron, metallath, tile, electric light, hot air heat. Contract awarded to Hart & Parlamen, Devon, Pa.

Residence, Ardmore, Pa. Architect, Grosvenor Atterbury, 139 East Fifty-third street, New York. Owner, Charles P. Lineweaver, Bank of North America Building, Philadelphia. Stone, frame, 2½ stories, 120x60 feet, shingle or slate roof, hardwood floors, electric light, tile work, steel casement. Contract awarded to Unkefer Brothers, 2313 Walnut street, Philadelphia.

Stores (5) and Apartment Building, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Jacob Friedman, care of architect. Brick, steel, 3 stories, 30x100 feet, slag roof, yellow pine

floors, electric light, tile and marble, plate glass, copper work, steel sash, cast stone. Contract awarded Ruben Mainker & Co., B. and B. Building, Allentown, Pa.

Church, Harrisburg, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Mt. Zion Baptist Church, Harrisburg, Pa. Contract awarded to Charles W. Lady, 2210 Green street, Harrisburg.

Bank, Exeter, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, First National Bank, Exeter, Pa. Brick, limestone, 21x47 feet, slag roof, wood floors, electric work. Contract awarded to W. E. Downerman, Exeter, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Fayette County, R-112, Sec. 5 and 6, Menallen and South Union Townships. One course reinforced concrete. Contract awarded to Georges Const. Co., Uniontown, Pa., \$82,985.35.

Bridge, Huntingdon County, R-121, over Black Log Creek, between Station 692/51.4 and Station 711/00. Contract awarded to Concrete Steel Bridge Co., Clarksburg, W. Va., \$39,060.75.

Blair County, R-55, Blair, Frankstown, Allegheny and Logan Townships, Hollidaysburg Borough. One course reinforced concrete. Contract awarded Clark Brothers, Cherry Tree, Pa., \$167,907.16.

Beaver County, R-76, Sec. 6, Bridgewater Borough. One course reinforced concrete. Contract awarded C. B. Const. Co., Beaver, Pa., \$31,784.13.

New Jersey Construction News

City Hall, Ventnor, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, City of Ventnor, Carleton E. Adams, Mayor, City Hall, Ventnor, N. J. Architect selected. Preliminary plans in progress.

Kruser School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, Greenwood avenue, Trenton. Fireproof, 2 stories, 8 rooms. Plans in progress.

PLASTERING Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Klockner School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood avenue, Trenton, N. J. Fireproof, 2 stories, 8 rooms and auditorium. Plans in progress.

Home (add.), Municipal Colony, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, City of Trenton, L. D. Hirsch, Clerk, City Hall, Trenton, N. J. Brick, 2 stories. Plans in progress.

School Building, Port Norris, N. J. Architect, Henry L. Reinhold, 1632 Walnut street, Philadelphia. Owners, Asbestos Buildings Co., Liberty Title & Trust Building, Philadelphia. Two rooms. Plans completed.

Masonic Temple Building (alts. and add.), Camden, N. J. Architects, Moffett & Ergood, 104 Market street, Camden, N. J. Owners, Masonic Temple, Fourth street below Kaighn avenue, Camden. Brick, 1 story, 24x26 feet, slag roof, oak and composition floors, steel toilet partitions, steel sash. Revised plans in progress.

Office (add.), Kentucky and Pacific avenues, Atlantic City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Electric Co., C. H. Howell, manager, Kentucky and Baltic avenues, Atlantic City, N. J. Brick, 5 stories. Plans in progress.

Apartment Building, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City. Owner, name withheld. Brick, steel, 5 stories. Architect ready for bids.

Sewage Disposal Plants (2), Camden, N. J. Owners, Department of Public Works, W. D. Sayrs, Jr., Director of Public Service, City Hall, Camden, N. J. Remington and Vossbury, 509 Cooper street, Camden, N. J., preparing plans on sewage disposal plant at Thirty-second and Farragut streets, Camden, N. J. Work contemplated on sewage disposal plant in South Camden.

Hospital, Fort Monmouth, N. J. Architect, private plans. Owners, United States Government, War Department, Washington, D. C. Reinforced concrete, brick, steel, 2 stories and basement, irregular size, 65x24 feet, 60x40 feet, 26x60 feet, 26x60 feet, slate roof, cement floors, hollow tile, plumbing, ornamental iron, bond, metal lath, steam heat, electric light. Owners taking bids due September 8th.

Dormitories (4) and Hospital, School for Feeble Minded, Totowa, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department Institutions and Agencies, Trenton, N. J. Brick, 2 stories. Owners advertising for bids due August 29th.

Dormitory, State Normal School, Glassboro, N. J. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, State Normal School, Glassboro, N. J. Brick, semi-fireproof, 3 stories and basement, 167x45 feet, sheet metal, steel, iron, plumbing, gas fitting, heating, ventilating, electric work. Certified check, 5 per cent. Certified check deposit, \$25. Owners taking bids due September 7th at 7 P. M. (Daylight Saving Time).

Residences (4), Garages (2), 2782-84-86-90 Yorkship road, Camden, N. J., \$12,000. Owner, Eugene Brunner, 2760 Congress road, Camden, N. J. Block, 2 stories, 16x40 feet, garages 10x18 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Borough Hall, Haddonfield, N. J. Architect, W. W. Sharpley, 225 East Washington

Square, Philadelphia. Owners, Borough of Haddonfield, Borough Hall, Haddonfield, N. J. Brick, limestone, steel, 2 stories and basement, 88x50 feet, slate roof, cement, mastic and pine floors, metal lath, tile and marble. Low bidders: George W. Shaner & Son, Palmyra, N. J., \$132,473; Curtis & Co., 10 South Eighteenth street, Philadelphia, \$133,987.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 4, Sec. 34A, Matawan Creek Bridge on relocated line of Route 4, Monmouth County. Lowest bidder: S. S. Thompson, Red Bank, N. J., \$340,444.

Laying Sidewalks, Curbs, Gutters, Etc., Laurel Springs, N. J. Owners, Borough of Laurel Springs, H. E. Bryson, Clerk, Fire House No. 2, Laurel Springs, N. J. Plans and specifications at office of W. P. Houwen, C. E., 209 Market street, Camden, N. J. Owners taking bids due Aug. 29th at 9 P. M. (D. S. T.). 10% certified check. 7,120 square feet 4-inch sidewalk, 4 feet wide; 5,830 lineal feet curbing, 6x18x7 inches; 12,520 square feet 8-inch gutter; 630 cubic yards grading; 3 inlet boxes; 1 man hole; 260 lineal feet 12-inch terra cotta pipe, complete in place.

New Jersey Contracts Awarded

Dining and Recreation Hall, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Odd Fellows' Home, Pennington and Scotch roads, Trenton, N. J. Brick, cut stone, steel, 2½ stories and ground floor, 77x28 feet, wing 23x45 feet, cement rubber floors, hollow tile, metal weather strip, dumb waiter, metal lath, tile and marble, steel sash, iron stairs, ornamental iron. Contract awarded to Thomas Day & Sons, Day Building, Trenton, N. J.

Building, 1508 Newport street, Camden, N. J., \$10,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, Polish National Catholic Church, Camden, N. J. Brick and block, 1 story, 40x100 feet, slag roof. Contract awarded to Kempa & Podusaczak, Camden, N. J.

Store and Apartment (add. and alts.), 3915 Atlantic avenue, Atlantic City, N. J. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Mr. Martindale, care of architect. General alterations and addition. Contract awarded Carl A. Johnson, Union Bank Building, Atlantic City, N. J.

Residence, 948 North Thirty-fourth street, Camden, N. J., \$6,300. Architect, private plans. Owners, Alpha Baptist Church, on premises. Frame, 2 stories, 26x26 feet, slate surface roof, hot water heat, electric light. Contract awarded to Thomas H. Miller, Merchantville, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J.

Bridge, Route 2, Bridgeboro, Burlington County, over Rancocas Creek. Contract awarded to Eastern Eng. Co., 4 North North Carolina avenue, Atlantic City, N. J., \$356,668.11.

Furnishing and placing sheet asphalt surface on Route 17 South, at Thorofare, and Route 13, Sec. 5, South of Lawrenceville. Contract awarded to Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$18,374.30.

Route 5, Section 19, Dover-Denville, Morris County. Contract awarded to Hugh Y. Simanton, Hackettstown, N. J., \$92,450.85.

Miscellaneous Construction News

Hospital Building, Cumberland, Md. Architects, Zantzinger, Borie & Medary, Otis Building, Philadelphia. Owners, Cumberland Memorial Hospital, Cumberland, Md. Preliminary sketches being prepared.

School Building, Sharon Springs, N. Y. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Asbestos Buildings Co., care of architect. Plans completed.

Todd's Cut Repair Shop, Wilmington, Del. Owners, Pennsylvania Railroad, Ellis P. Preston, Building Inspector, Wilmington, Del. Repair shop, including equipment and machinery. Plans filed.

Garage and Show Room, Southeast Corner Hancock and Saratoga streets, Brooklyn, N. Y. Architects, The Ballinger Co., 100 East Forty-second street, New York. Owners, Ambart Garage, Inc., on premises. Brick, steel, fireproof, 3 stories, 50x100 feet, slag roof, cement floors, steam heat, electric light (elevators reserved). Architects taking bids due August 30th, at 11 A. M.

Hotel, Lewes, Del. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Lewes Hotel Co., C. C. Marshall, Lewes, Del. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 91x57 feet, asbestos built-up roof, composition, cement and pine floors, hollow tile, roof ventilators, waterproofing, cast stone, area gratings, brass and wrought iron pipe, bond, steel sash, tile work, metal lath, electric work, steam heat, plumbing. Architects taking revised bids due August 25th.

School, Delmar, Del. Architects, Guilbert & Betelle, Newark, N. J. Owners, School District of Delmar, Delmar, Del. Brick, steel, 2 stories, auditorium and basement, 181x81 feet, slag roof, pine and cement floors, ornamental iron, bond, metal lath (plumbing, heating and electric work separate). Owners taking bids due September 2nd.

Miscellaneous Contracts Awarded

Rectory, Delaware City, Del. Architects, Gleeson & Mulrooney, 250 South Broad street, Philadelphia. Owners, St. Paul's Roman Catholic Church, Rev. John E. Dolan, Delaware City, Del. Brick, east stone steps, 3 stories, 35x50 feet, slate roof, hardwood floors, hot water heat, electric light, tile, marble. Contract awarded C. J. Dougherty, 2515 West Eighteenth street, Wilmington, Del.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 18, 1927.—Sealed Bids will be opened in this office at 3 p. m., September 15, 1927, for interior changes at marine hospital, Buffalo, New York. Drawings and specifications may be obtained from the custodian of the building, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

Don't be a Rip Van Winkle. Advertise and let everybody know you are awake and abreast of the times.

BETTER CONSTRUCTION

It is interesting to note a persistent drive on all sides for better construction. The Associated General Contractors at their recent annual meeting discussed among other things the question of routing the irresponsible bidders and promoting the interest of responsible and dependable contractors who expect to do the right kind of building. Meantime the lumber interests, building and loan associations and others engaged in financing building operations and making loans on structures have been actively concerning themselves with getting a better order of construction so as to have actual value in the structures and not merely a semblance of it in outside appearance. There is a general and concerted drive to weed out cheap, flimsy construction, and to get more of quality and permanence in the building work of the day. This is not only good sound reasoning from the viewpoint of the general public, but it should make a special appeal to the brick and hollow tile people because it makes opportunities for a more extensive use of these products in construction. That great advertising slogan, "Build with Brick," was founded on the idea that it could be easily demonstrated that the slogan if properly followed meant better and more permanent construction, and in the final analysis economical construction. Quality and permanence have been the foundation of the claims for recognition in the clayworking industry right along. So the industry as a whole should join heartily in the drive for better construction. And even in the use of its own products insist upon including the idea of quality and permanence in structure rather than strive for a little saving in first cost by the use of thin walls and less material than really should be included in construction. In short, the clayworking industry should be leaders in promoting and demonstrating the idea of better construction.

NATIONAL CONSTRUCTION EXPOSITION

January Demonstration Center for General Construction Materials and Methods Announced by the Associated General Contractors of America

The Associated General Contractors of America, representing 2,300 general contracting firms, with headquarters in 40 different States will hold a National Construction Exposition in the West Baden Springs Hotel, West Baden, Indiana, January 23-27 next, according to plans announced August 1st, by Gen. R. C. Mar-

shall, Jr., of Washington, General Manager of the Association.

Every important method used throughout the general construction industries will be shown in a series of exhibits which will demonstrate all types of construction materials, supplies and accessories for industrial, engineering, governmental, transportation and specialty building projects, it is forecast. It will be exclusively a construction man's show, inasmuch as there will be practically no general public attendance. Every visitor will be registered and identifiable.

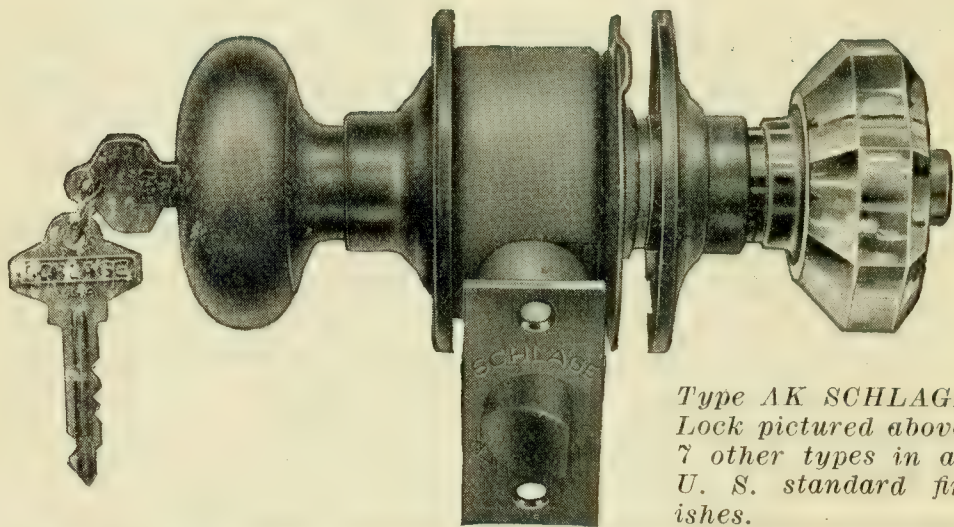
Awards to Best Displays

Exhibits will be prepared by many of

the leading construction materials and supplies companies of the country, it is announced. First, second and third awards will be made by the Associated General Contractors of America, through a special committee, to the companies having displays adjudged the most effective.

The Exposition will be held in conjunction with the ninth annual meeting of the association, and is a response to requests by a large number of important materials and supplies companies for adequate and officially recognized construction display facilities.

The policies and conduct of the Exposition will be in every phase subject to control by the association, the design of



Type AK SCHLAGE Lock pictured above, 7 other types in all U. S. standard finishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

which is that the show shall fulfill in every sense the implications of its title, by providing a national and authentic demonstration center for all general construction utilities. Exhibiting companies' representatives' participation in all convention sessions will be encouraged.

The Exposition will be held in the large circular, skylighted "Atrium," itself a constructive novelty, of the West Baden Springs Hotel. Association sponsorship and control of the Exposition and the unique arrangement of convention, Exposition and guest facilities at West Baden, the announcement points out, will combine to give the Exposition a unique character, in that:

Unusual Acquaintance Stimulus

"The West Baden-French Lick vicinity is a self-sufficing, non-urban (although equally non-rural) locale, every feature of which tends to friendly contact. At meals, in diversions, in sports, as well as in the Exposition and convention activities, there will be an inevitable and agreeable intermingling which will result in a closer knitting of acquaintanceships. Those in attendance will be all directly interested; and, in a physical sense, the Exposition, occupying the very center of the hotel, will be the actual axis of their daily movements. In the distinctive quality of its attendance, and in the peculiar

and advantageous contact by exhibitors with the individuals of this attendance, the Exposition might be called a 'business house party.'"

General executives, technical staff men, purchasing executives and superintendents of general contracting companies, non-members as well as members of the Associated General Contractors of America, will comprise the individually identified, directly interested attendance at the Exposition.

The announcement of the Exposition asserts that: "this attendance will be, in effect a roster of America's general construction leaders. The construction activities for which the general contractor is normally a purchasing determinant, include practically the entire range of large scale governmental, industrial, and residential development and individual improvement projects. Many of the companies which will be represented among interested visitors, operate on a continental and some on an international scale.

A \$2,300,000,000.00 Field

"The most recent inclusive figures available—for 1925—indicate that the volume of operations of the membership of the A. G. C. of A. alone reached \$2,294,000,000 in a year. Construction today is America's second largest industry-

being exceeded in volume of operations only by agriculture."

The show will open officially at 9.30 A. M. daily. Official evening closing hours will vary in accordance with the entertainment program of the Association. Installation of displays will begin Friday, January 20th. Dismantling will take place at a sufficiently early hour to allow exhibitors' representatives to leave late Friday evening, January 27th.

Exposition Office in New York City

The general office of the Exposition is at 225 West 34th Street, New York City.

The convention with which the Exposition will concur will be the ninth annual meeting of the contractors' national organization and will be attended by delegates from virtually every State. Record-breaking construction activities this year will develop many problems in the construction industry to the point where they will demand extensive attention, it is being pointed out. These problems include misuse of lien laws; promiscuous issuance of surety bonds; accident prevention and construction of public projects without use of the competitive contract system.

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Rittenhouse 5559

Race 99-28

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH FIRESAFE PLASTER LATH

SHEETROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.

Excelator Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orn. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th and Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rummford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

PERSONAL POSSESSIONS

have an insurable value
all their own

It will cost you a very small amount
to insure against loss of personal effects
in transit, in club locker rooms, hotels
and public places—anywhere outside
your home.

Ask your agent for information about
North America Tourist Baggage Insur-
ance. You need not be a tourist to
benefit by this protection.

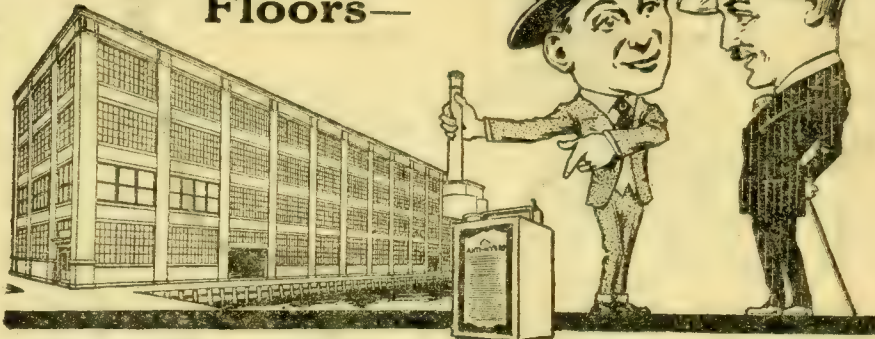
Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

Acids Do Not Harm these Concrete Floors—



L. A. Dreyfus Building, Rosebank, Staten Island, N. Y.

Turner Const. Co., Engrs. & Contra.

They're Protected with "ANTI-HYDRO"

The concrete floors in this building are constantly covered with
acids and water which would quickly deteriorate them if they were not
hardened and waterproofed with "ANTI-HYDRO."

Although these floors have been in constant use for many years,
"ANTI-HYDRO" has fully protected them from wear, water and the
action of the acids.

"ANTI-HYDRO" is a liquid integral agent that mixes easily with
the gauging water—no skilled labor is required. It hardens and water-
proofs concrete and makes it acid, alkali and oil-resisting all in *one*
operation.

For 23 years "ANTI-HYDRO" has been the accepted standard. Re-
sults are *guaranteed permanent*. Use "ANTI-HYDRO" on your next job.

ANTI-HYDRO WATERPROOFING CO. 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES

SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH

TARRED FELT
ASPHALTS

CREOSOTE OIL

WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 35
August 31, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster	"P. G." Gypsum Partition Blocks
"P. G." Stucco	All Sizes
"P. G." Hardwall	"P. G." Roof Tile
"P. G." Wood Fibred Plaster	"Gyproc" Wall Board
"P. G." Plaster of Paris	"Gyproc" Joint Filler

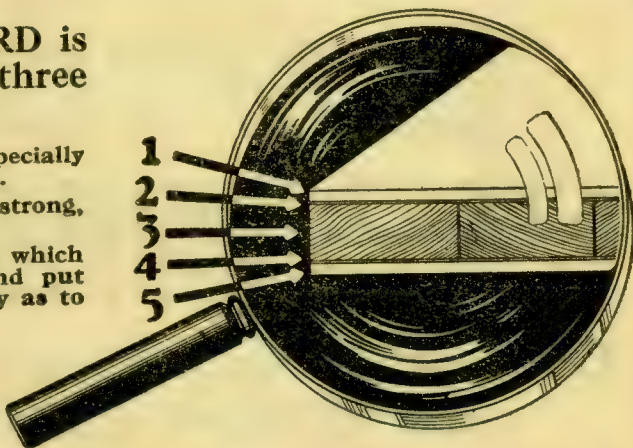
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

**West Jersey Sand
and
Supply Corp.**

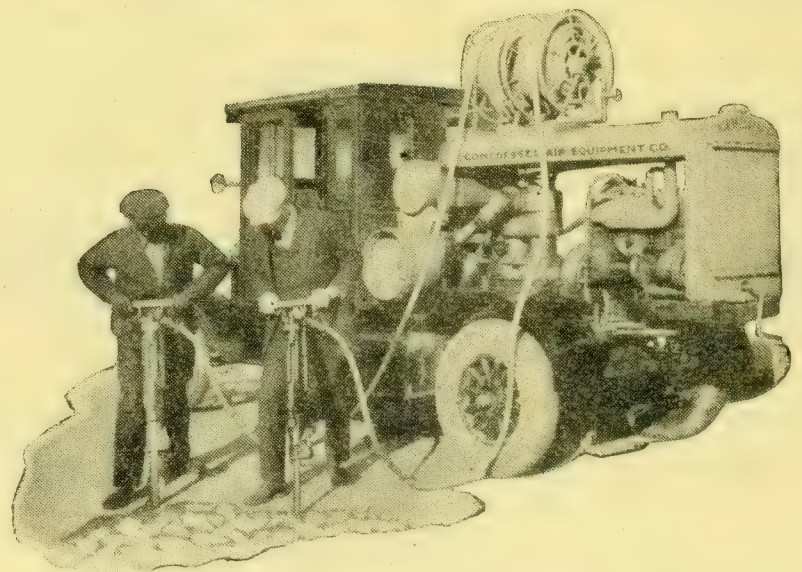
**Delaware Ave. and Marlborough St.
Philadelphia**

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



**LOW PRESSURE
Electric Refrigeration
by**

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

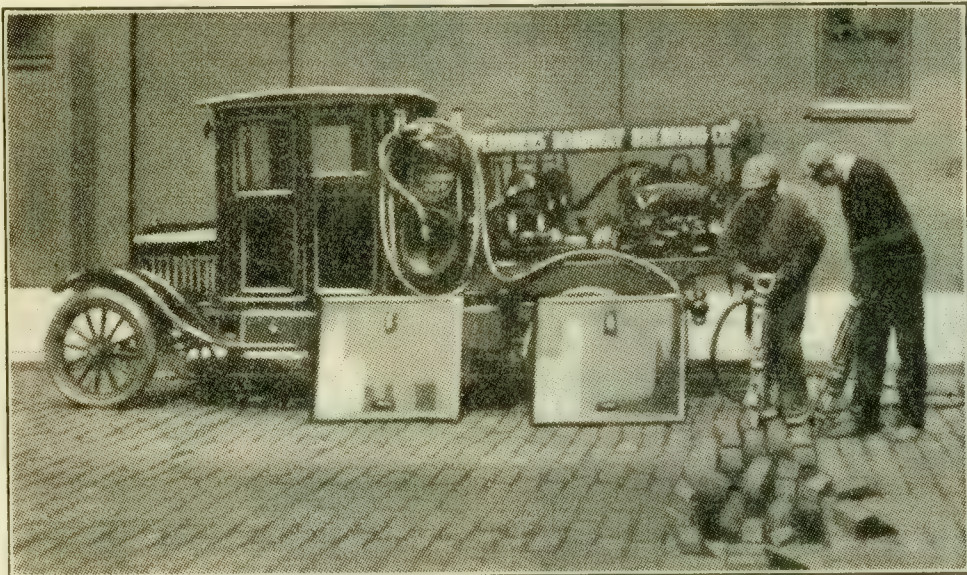
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



**ALEMITE
GREASING
- ON -
BOSS
MIXERS**

**\$172.00 BUYS 3S
TRAILER COMPLETE
WITH ENGINE**

ONE BAG TILTER NOW AT HALF BAG PRICE

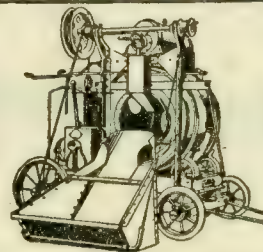
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

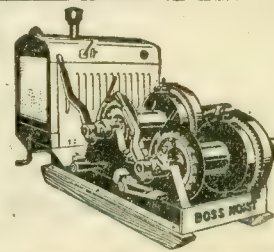
ING

\$135

UP

FORDSON

WINCHES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

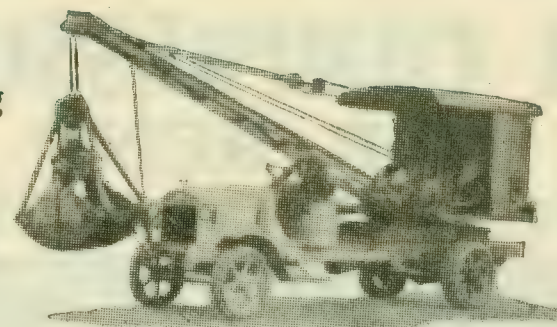
Eastern Distributors

Pennypacker 7084

Race 6010

Excavating

Steel
Erecting



Trench
Work

Car
Unloading

CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :

Park 2579

Bell :

Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

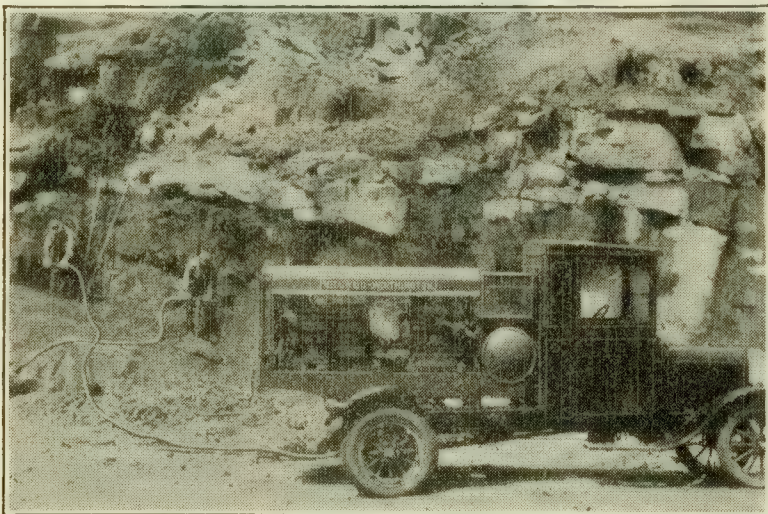
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 35

PHILADELPHIA
August 31, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence (alts. and add.), 109-111 Mt. Airy avenue, Philadelphia. Architect, private plans. Owner, J. M. Cleaves, 109 Mt. Airy avenue, Philadelphia. Brick, stucco, 3 stories, 30x65 feet, 22x65 feet, general alterations, hot water heat, electric light, tile work, copper roof, hardwood floors, cement, steel and stone work, enclosed porches, exterior to be stuccoed. Plans about completed. Owner will be ready for bids in a few days.

Residence (alts. and add.), 1211-12 North Tenth street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Samuel Evans, 809 North Eighth street, Philadelphia. Changing residences into assembly hall and apartment. Owner taking sub-bids.

Sunday School, Jackson and Comly streets, Philadelphia. Architect, S. D. Milner, 4614 Frankford avenue, Philadelphia. Owners, Wissinoming Methodist Episcopal Church, Rev. D. Sherry, 3416 Devereaux street. Stone, brick, 1 story and basement, 40x90 feet, slag and slate roof, maple floors, steam heat, electric light. Architect subletting.

Residence (alts. and add.), 6647 North Eighth street, Philadelphia. Architect, Conrad F. Neff, Twelfth and Locust streets, Philadelphia. Owner, Max Meyer, on premises. New porch, interior alterations, tin roof, cement work, lumber, plumbing, mill work, skylights. Owner will build.

Warehouse and Manufacturing Building, Northwest Corner Twenty-seventh and South

streets, Philadelphia. Architect, name withheld. Owners, J. J. and R. H. Greenburg, Morris Building, Philadelphia. Reinforced concrete, 600x117 feet, irregular, 60,000 square feet, plot. Plans in progress. Announcement will be made in ten days.

Office Building, West Washington Square, Philadelphia. Architect, Ralph B. Bencker, Bellvue Court Building, Philadelphia. Owners, N. W. Ayers & Son, 308 Chestnut street, Philadelphia. Brick, reinforced concrete, steel, limestone, 13 stories and basement, 102x114 feet, Barrett specification roof, tile roof, cement and maple floors, hollow tile, elevators, roof ventilators, metal weather strip waterproofing, wall finish, metal toilet partitions, mailing system, area gratings, ornamental iron work, bond, tin clad and kalamein doors, rolled steel skylights, hollow metal sash, tile and marble work, metal lath. Alternate for 12-story building. Architect taking bids due September 9th.

School, Twelfth street, Ogden to Myrtle streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, limestone, granite, steel, 3 stories and basement, 167x73 feet, cement roof, cement and maple floors, hollow tile, safety treads, metal weather strip, waterproofing and dampproofing, ornamental iron work, area gratings, floor hardener, bond, fire and kalamein doors, rolled steel sash, tile and marble

work, metal lath. Owners taking bids due September 6th.

Navy-Central Building, Fifteenth street above Arch street, Philadelphia. Architect, Louis S. Jallade, 15 East Forty-seventh street, New York City. Owners, Young Men's Christian Association, 1421 Arch street, Philadelphia. Brick, limestone, steel, reinforced concrete, 27 stories, 2 basements, 110x84 feet (plumbing, heating, electric reserved), slag roof, composition, cement and maple floors, elevators, metal window guards, membrane waterproofing, dampproofing, architectural terra cotta, metal lath, tile, marble and terrazzo work, rolled steel sash and skylights, fire, kalamein and hollow metal doors, bond, iron stairs, casement windows, ornamental iron work, bronze work, area gratings, cinder concrete block, mail chute, rubber stone floors, steel partitions, linoleum. Alternate for 12-story building. Architect taking bids due September 12th.

Church, Southeast Corner Hoffman avenue and Cobb's Creek Boulevard, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Fourth Church of Christ Scientist, on premises. Stone, reinforced concrete, brick, steel, 1 story and basement, 94x36 feet, slate roof, cement floors, hollow tile, waterproofing and dampproofing, architectural terra cotta, bronze work, area grating, Porite roof slabs, floor hardener, iron stairs, kalamein doors, tile, marble and terrazzo work, metal lath (electric light, light-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

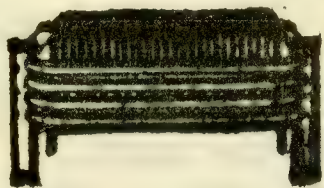
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Everything for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES
"Deadlock" Concrete Bars
"Page" Wire-Link Fence
"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

ing fixtures, plumbing, drainage, plumbing fixtures, heating, window shades, weather stripping, furniture, floor covering, organ, soundproofing, window guards reserved). Architects taking bids due September 6th.

School Work, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due September 6th, 11 A. M. (Standard Time). Plumbing materials in warehouse stock, stair treads, wire screens, repairs to sash, retaining wall, etc., various schools; sheet metal enclosures, Norman School, Thirteenth and Spring Garden streets, Philadelphia. Bond.

Theatre Building, Southeast Corner Quince and Walnut streets, Philadelphia. Architect, Herbert J. Krapf, 1 West Forty-seventh street, New York. Owners, Shubert Theatre Co., 225 West Forty-fourth street, New York. Brick, cut stone, steel, 1 story, balcony and basement, 143x105 feet, 4 stories and basement, 105x20 feet (plumbing, heating, electric reserved), metal lath, tile work, rolled steel sash, bond, ornamental iron work, cement floors, slag roof. Architect taking bids due September 2nd.

Parish House, Rising Sun and Church lane, Fox Chase, Pa. Architect, Arnold H. Moses, Camden, N. J. Owners, Trinity Church of Oxford, on premises. Stone, 2 stories, irregular in size, slate roof. Plans in progress.

Show Room, Griscom street, South of Oxford street, Philadelphia. Architect, G. Harold Murphy, 1013 Harrison street, Philadelphia. Owner, William Frehofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, 2 stories, 38x120 feet, composition roof, cement floors, hot water heat, electric light, rolled steel sash. Architect taking revised bids due as soon as possible.

Filling Station, Fifty-seventh and Walnut streets, Philadelphia. Architect, T. J. O. Connell, Baltimore, Md. Owners, American Oil Co., American Building, Baltimore, Md. Brick, steel, architectural terra cotta, 1 story, 26x24 feet, glazed tile roof, cement floors, plumbing, gas steam heat, electric light, bond. Architect taking bids due September 3rd.

Dairy Building (alts.), 3325 York road, Philadelphia. Architect, William H. Timm, Perry Building, Philadelphia. Owners, Harrison Dairies, on premises. Shoring, cement and concrete, safety treads, structural steel, iron work, brick work, cut stone, terrazzo work, tile work, steel partitions, rolled steel sash, carpentry, mill work, painting, glazing, hardware, plastering, sheet metal work, slag roof, elevator work (plumbing, electric light, boilers and settings, radial brick chimney, refrigerating apparatus, cork insulation, sprinkler tank and tower, automatic sprinkler

system all reserved). Architect taking bids due September 2nd.

Theatre and Store Building, Frankford and Granite streets, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Forum Amusement Co., 5413 Frankford avenue, Philadelphia. Architect taking bids due September 7th at noon.

New Buildings (3), Alterations to Buildings (2), Ridge and Lauriston street, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Northern Home for Friendless Children, Twenty-third and Brown streets, Philadelphia. Stone, limestone, reinforced concrete, steel, steam heat, electric light, metal lath, tile, marble and terrazzo work, bond, iron stairs, ornamental iron work, sheet metal work, canvas roof, painting, glazing, hardware, carpentry and mill work, slate, tin roof, composition and cement floors, hollow tile, plumbing. Architect taking bids due September 8th.

Supplies, Navy Yard, Philadelphia. Owners, Department of Supplies and Accounts, Washington, D. C. Owners taking bids due September 6th, 10 A. M. Pig and sheet lead, motor generator piston rings, aluminum alloy, tubing sheet aluminum.

Interior Partitions, Forty-third and Kingessing avenue, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, College of Pharmacy, on premises. Carpentry and mill work. Architect and Wark Co., 1600 Walnut street, Philadelphia, taking sub-bids due September 2nd.

Residences (38), North side Rosalie street, North of Colgate street, \$152,000. Architect, private plans. Owner, Joseph W. Hannigan, Northeast Corner Sanger and Reach streets. Brick, 2 stories, 15x27 feet, 11x14 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences and Stores (2), 8051-53 Erdrick street, Philadelphia, \$10,000. Architect, private plans. Owner, Antonio Galdi, 8068 Erdrick street, Philadelphia. Brick, 2 stories, 16x53 feet, slag roof, electric lighting. Permit issued.

Garage, North side Kingston street, West of Emerald street, \$2,500. Architect, private plans. Owner, E. B. Miller, 3935 North Marshall street, Philadelphia. Brick, 1 story, 17x125 feet, slag roof, cement floors, electric light. Permit issued.

Residences (38), West side Franklin street, South of Champlost avenue, Philadelphia, \$114,000. Architect, private plans. Owner, M. E. Drutti, Northeast Corner Ninth and Erie avenue, Philadelphia. Brick, 2 stories,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

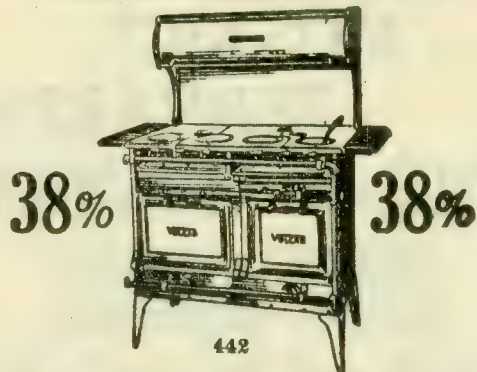
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

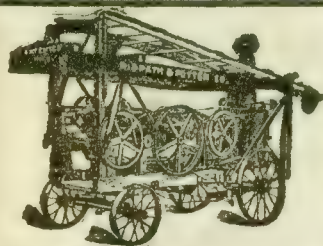
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CARBET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

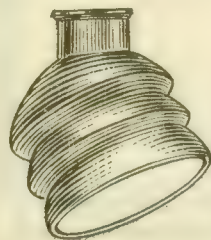
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

15x25 feet, 12x12 feet, slag roof, pine floors, electric light. Permit issued.

Residences (25) West side F street, North of Boulevard, Philadelphia, \$95,000. Architect, private plans. Owners, Gellman, Miller & Katz, F and Boulevard, Philadelphia. Brick, 2 stories, 15x29 feet, 11x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (15), West side Pulaski avenue, North of Manheim street, \$60,000. Architect, private plans. Owners, John J. Bateman Sons, 5601 North Sixteenth street, Philadelphia. Brick, 2 stories, 15 feet 8 inches x 30 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), North side Ahresford street, East of Edgemont street, \$8,000. Architect, private plans. Owner, John Guscin, 4335 Belgrade street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, pine floors, electric light. Permit issued.

Apartment House (alts.), 4133 Girard avenue, Philadelphia, \$6,000. Architect, private plans. Owner, Daniel Josephson, 5405 Walnut street, Philadelphia. General alterations. Permit issued.

Residences (2), West side Lawndale street, North of St. Vincent street, \$5,000 each. Architect, private plans. Owner, Charles D. Conklin, Jr., Cheltenham, Pa. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (28), East side Elinor street, South of Comly street, \$106,800. Architect, private plans. Owner, Hamilton J. Branagan, Ninth and Hunting Park avenue. Brick, 2 stories, 15x26 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (6), Garages (3), 824-34 Phil-Ellena street, \$66,000. Architect, private plans. Owners, Johnson & Talley, 450 Church street, Philadelphia. Stone, 3 stories, 17x50 feet, garages (2-car), 19x19 feet, hot water heat, electric light, hardwood, pine and cement floors. Permit issued.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall, Philadelphia (inquire Room 788). Owners taking bids due September 1st at 11 A. M. (Eastern Standard Time). Certified check, 5 per cent. Contract No. 893, chlorine apparatus. No. 894, steam heating, Shawmont Pumping Station. No. 895, intake screen house, Shawmont Pumping Station. No. 896, breeching installation, Queen Lane Pumping Station. No. 897, furnishing and laying 6-inch, 8-inch and 12-inch water pipe. No. 898, steel doors, Shawmont Pumping Station.

Grade Crossing Removal, Chester Branch of Reading Railroad, Fifty-seventh street to Bow Creek, \$3,000,000. Owners, Reading Railroad and Department of Public Works, Philadelphia. Grading, paving, laying of 20-foot main sewer in Sixty-first street, electrification of lines, elevation of roads. Plans in progress.

Contract No. 167, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due September 6th, 11 A. M. (Standard Time). Deposit, \$10, refunded. Certified check, 5 per cent. Repaving Broad street, Loudon to Wagner avenue, Philadelphia.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, Philadelphia, purchasing agent, taking bids due September 8th at noon. No. 104, structural steel for bridges. No. 105, frogs and crossings. No. 106, wire fencing and nails. No. 107, piston heads.

Fire Truck and Pine Line Station, 2003-05 North Second street, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Bureau of Fire, Department of Public Works, City Hall, Philadelphia. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 109x34 feet. Low bidders: McCormick-Lenham, Broad and Tasker streets, Philadelphia, \$54,314, \$53,314; The Curtis Co., 10 South Eighteenth street, Philadelphia, \$58,849, \$57,649; plumbing, Jacob Bugger, 2124 East Cumberland street, Philadelphia, \$3,700; heating, Charles McCarthy, Otis Building, Philadelphia, \$2,949; electric, Industrial Elec. Co., 2710 South Darien street, Philadelphia, \$1,630.

Bridge, Linden avenue, over Philadelphia and Trenton Branch, Philadelphia. Owners, Department of Public Works, Bureau of Engineering, City Hall. Low bidder, Robbins Contg. Co., 1137 North Front street, Philadelphia, \$128,000.

Miscellaneous Branch Sewers, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Bouvier street, Godfrey to Meday, Donato Delise, 4842 North Leithgow street, Philadelphia, \$7,978. Chancellor street, Broad to Fifteenth street, Sabine & Vallone, 1720 South Chadwick street, Philadelphia, \$6,584. Cliveden street, Chew to Belfield avenue, A. Bonitatus, 300 West Mt. Pleasant avenue, Philadelphia, \$7,499. Fourth street, Armstrong to Wingohocking street, A. Mattio, 748 South Tenth street, Philadelphia, \$1,954. Graham street, Coleman to Malvern avenue, Angelo Mattia, 748 South Tenth street, Philadelphia,

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

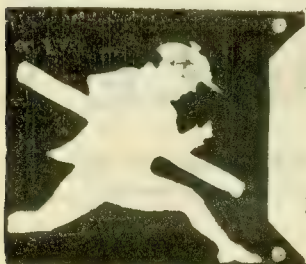
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



\$2,784. Hermitage street, Shalkop to Lawnton, A. Perna & Son, 739 South Eighth street, \$6,888. Lawnton street, Hermitage to Leverington, O'Neill Co., 127 East Mermaid lane, Philadelphia, \$2,856. Maywood street, Hunting Park to Bristol, O'Neill Co., 127 East Mermaid lane, Philadelphia, \$7,374. Medary avenue, Seventeenth to Eighteenth street, O'Neill Co., 127 East Mermaid lane, Philadelphia, \$4,707. Catalona street, Fifteenth to Sixteenth, D. Delise, 4842 North Leithgow street, Philadelphia, \$2,468. Redfield street, Coleman to Upland, A. Mattia, 748 South Tenth street, Philadelphia, \$5,367. Seventeenth street, Church lane to Medary, Vattiera & Pontauli, 523 West Rising Sun avenue, \$16,574. Seventy-seventh street, Limekiln to Ogontz, W. H. Yetman, Lincoln Building, Philadelphia, \$3,612. Sprague street, Sharpnack to Montana, D. Delise, 4842 North Leithgow street, Philadelphia, \$3,039. Sydenham street, Sixty-seventh to present sewer, Mundy Paving Const. Co., 226 North War-nock street, \$2,853. Vankirk street, Oakland to Roosevelt Boulevard, V. S. Campellina, 3856 North Tenth street, Philadelphia, \$10,103. Washington lane, Ogontz to Cheltenham, Hamilton Co., Green and Cheltenham avenue, Philadelphia, \$17,843. Willard street, Thirty-second to Thirty-third street, D. Delise, 4842 North Leithgow street, Philadelphia, \$4,434. Salford street, Coleman to Upland Way, A. Mattia, 748 South Tenth street, Philadelphia, \$2,146.

Residences (2), E. side Green Tree Road, S. of Bells Mill Road, \$40,000. Architect, pri-

vate plans. Owner, Judson M. Zane, Land Title Building, Phila. Stone, 3 stories, 22x13 feet; 26x31 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Sub Station, Westmoreland, between Hunting Park and Fox street, Phila. Architect, John T. Windrim, Commonwealth Building, Phila. Owner, Phila. Electric Co., 10th and Chestnut streets, Phila. Brick, steel, 2 stories and basement, 60x80 feet, slag roof, cement floors, plumbing (heating, electric reserved), metal lath, rolled steel sash, bond, ornamental iron work. Architect taking bids due Sept. 6th.

Garage, Jenkintown, Pa. Architect, Geo. A. Robbins, Otis Building, Phila. Owner, Miss Anna S. Newbold, Jenkintown, Pa. Cinder, concrete block, stucco, 2 stories, 50x20 feet, hot water heat, electric light, metal lath, shingle roof, cement and linoleum and pine floors, plumbing, ornamental iron work. Architect taking bids due Sept. 2nd.

Apartment Houses (2), N. E. Corner 41st and Baltimore avenue, Phila., \$675,000. Architect, private plans. Owners, Samuel L. Silverman, Inc., Land Title Building, Phila. Brick, 4 stories, 44x140 feet, slag roof, hardwood floors, hot water heat, electric light, tile and marble work. Permit issued.

Residences (18), S. side Widener Place, E. of Kimble street, \$72,000. Architect, private plans. Owner, Emil P. Stahl, 5209 N. 3rd street, Phila. Brick, 2 stories, 16x28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Convent, Opal and Medary streets, Philadelphia. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Benedict's Roman Catholic Church, Rev. W. C. Farrell, on premises. Stone, cut stone, steel, brick, 3 stories and basement, 113x41 feet, tile roof, pine floors, plumbing, metal weather strip, dampproofing, incinerator, ornamental iron work, iron stairs, bond, rolled steel sash, tile and marble work, metal lath, electric light, vapor heat, dumb waiters, granite, leaded glass, metal toilet partitions. Contract awarded to D. W. O'Dea, 420 Duncannon street, Philadelphia.

Stores and Offices, Northeast Corner Eighth and Walnut street, Philadelphia. Architect, private plans. Owner, I. Pritzker, care of builder. Brick, cast stone, steel, 3 stories, 18x94 feet, slag roof, pine and cement floors, vapor heat, electric light, metal lath, kalamein doors, metal ceilings, flush bulks. Contract awarded Max Cotler, 1220 North Forty-second street, Philadelphia.

Car House (alts. and add.), Sixteenth and Jackson streets, Philadelphia. Owners, Philadelphia Rapid Transit Co., Eighth and Dauphin streets, Philadelphia. Brick, cut stone, reinforced concrete, steel, 1 story and basement, 144x41 feet, steam heat, electric light, metal lath, marble work, iron work, area gratings, gypsum roof, cement floors, hollow

tile, safety treads, plumbing, waterproofing, hollow tile, safety treads, plumbing, waterproofing, hollow tile, safety treads, plumbing, linoleum, automatic sprinkler, boilers. Contract awarded H. E. Batton, 1713 Sansom street, Philadelphia.

Fraternity House (alts.), 3908 Spruce street, Philadelphia. Architect, Walter S. Roberts, Jr., 3918 Pine street, Philadelphia. Owners, Sigma Alpha Epsilon, on premises. Carpentry and mill work, plastering, painting, glazing, electric work, metal lath, hot water heat. Contract awarded W. J. Gruhler Co., 219 High street, Philadelphia.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.
PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Mur

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

B
19

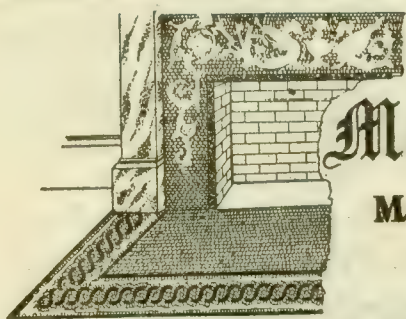
THERE IS ONLY ONE IN-A-
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail you
Write for Literature



TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If
the surfaces should be immediately waterproofed by a

If the reinforcing in concrete has begun to
and cracking, repairs should be made and disintegr
of Truscon STONETEX.

STONETEX is the masonry coating. Not o
from being absorbed into concrete, stucco or brick, l
with a beautiful finish which lasts for years. Stone
produce the "shiny" appearance of paint. Stonetex k

BEDS

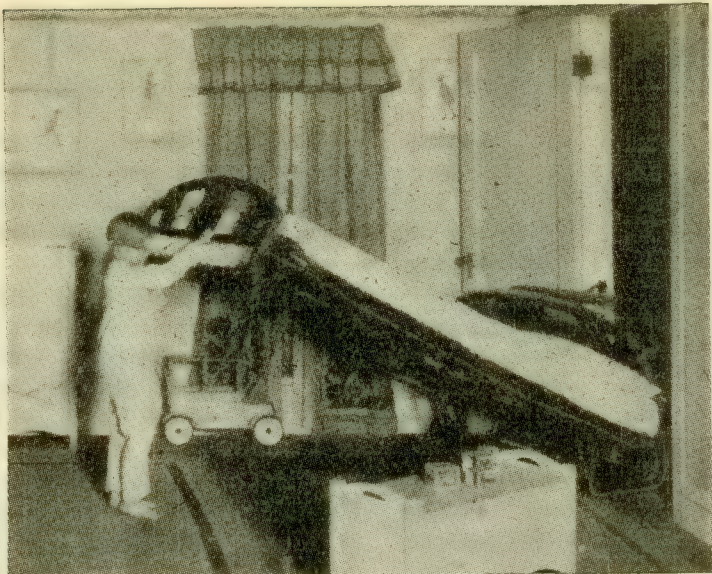
omes
ings

call at our
in kitchen
g boards as
Beds

D CO.

by Building
44th Street
w York

BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

ecks are beginning to show,
g Truscon STONETEX.

and the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
ke masonry.



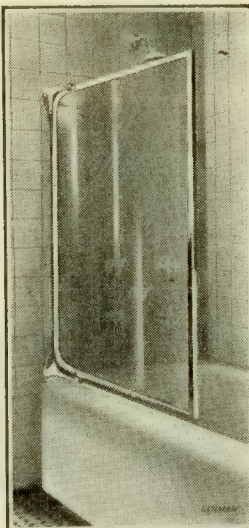
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS

ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Garages (34), Front and Clearfield streets, Philadelphia. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Own-

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating		30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
 "THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
 Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

ers, J. B. Shoemaker's Sons, on premises. Brick, 1 story, 105x100 feet, slag roof, cement floors, steel columns, electric light, wood floors. Contract awarded William F. Lotz, Frankford and Oxford street, Philadelphia.

Alterations, Forty-second and Girard avenue, Philadelphia, \$10,000. Architects, Charles W. Bolton & Son, Schaff Building, Philadelphia. Owners, Emanuel Presbyterian Church, on premises. Carpentry and mill work, plastering, painting, glazing, hardware, metal lath, general interior alterations. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

Dental Manufacturing Building (alts.), 211 South Twelfth street, Philadelphia, \$9,000. Owners, S. S. White Dental Mfg. Co., on premises. General alterations. Contract awarded to Turner Const. Co., 1700 Walnut street, Philadelphia.

Residence, 6424 Rising Sun avenue, Philadelphia, \$6,500. Architect, private plans. Owner, John H. Gimbel, 6426 Rising Sun avenue, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to E. Henderson, Jr., 6430 Hasbrook avenue, Philadelphia.

Bungalows (2), North side Brewster avenue, West of Eighty-seventh street, Philadelphia, \$3,000 total. Architect, private plans. Owner, L. Lazensky, 8306-08 Eastwick avenue, Philadelphia. Brick, 1 story, 16x40 feet, electric light, pine floors. Contract awarded L. Lazensky, 8306 Eastwick avenue, Philadelphia.

Tank Support, 5411 North Ella street, Philadelphia, \$3,000. Owners, Suburban Laundry, 5411 North Ella street, Philadelphia. Contract awarded to Joseph C. Riggan, 3044 Tulip street, Philadelphia.

Cafeteria Addition, 28 to 34 South Thirty-second street, Philadelphia, \$2,800. Owners, Drexel Institute, Thirty-second and Chestnut streets, Philadelphia. Brick, 1 story add., 9 feet, 7 inches x 13 feet 10 inches. Contract awarded Harry J. O'Brien, 2534 Ridge avenue, Philadelphia.

Hotel (alts.), Chestnut street, East of Thirtieth street, \$10,000. Owners, Adelphia Hotel, on premises. General alterations. Contract awarded to Frank G. Stewart, 1520 Locust street, Philadelphia.

Service Station, Northwest Corner Rising Sun and Martin's Mill road, \$7,500. Owner, Samuel Willig, North American Building, Philadelphia. Brick, 1 story, 9x17 feet 8 inches, slag roof, cement floors. Contract awarded to L. Davidson, 1907 North American Building.

Garage (add.), East side Bryn Mawr avenue, North of Wynnefield avenue, Philadel-

phia, \$14,000. Architect, private plans. Owners, Henderson & Beatty, on premises. Stone, 1 story, 73x123 feet, cement floors, electric work. Contract awarded to S. C. Williams, 6729 Paschall avenue, Philadelphia.

Store, 7142 Germantown avenue, Philadelphia, \$7,000. Architect, private plans. Owners, Max Roth & Son, on premises. Brick, 1 story, 20x30 feet, slag roof, electric work. Contract awarded to Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Store and Office (add. and alts.), 25 Maplewood avenue, Philadelphia, \$5,000. Owner, John McClay, 17 Maplewood avenue, Philadelphia. Brick, 2 stories add., 11x9 feet, general alterations. Contract awarded to A. P. Simpson & Sons, 616 West Rittenhouse street.

Storage Building (alts.), Palethorpe street, South of Indiana avenue, \$4,000. Owners, William Scholes & Sons, Second and Indiana avenue, Philadelphia. General alterations. Contract awarded to Harry Gill, Jr., 2515 Germantown avenue.

Boiler Room, West side Hartville street, South of Ontario street, Philadelphia, \$12,000. Architect, private plans. Owners, Schlatter Dyeing Co., on premises. Brick, 1 story, 69x51 feet. Contract awarded to F. Crompton & Bro., 4614 Oakland street, Philadelphia.

Residence and Store (add.), Southeast Corner York road and Courtland street, \$2,000. Architect, private plans. Owner, Bessye R. Feldman, 4610 North Eleventh street, Philadelphia. Brick, 1 story add., 16x10 feet. Contract awarded to Harry Feldman, 4610 North Eleventh street, Philadelphia.

Service Station, Southwest Corner Roosevelt Boulevard and Hartel street, Philadelphia, \$2,000. Architect, private plans. Owner, Benjamin S. Simon, Bustleton, Pa. Concrete, 1 story, 20x15 feet, concrete floors, electric work. Contract awarded to Walter Freas, Bustleton, Pa.

Store and Storage Building (alts.), 632 Arch street, Philadelphia, \$2,000. Architect, private plans. Owners, L. B. Orlovitz & Co., 634 Arch street, Philadelphia. General alterations. Contract awarded to S. Yellin & Son, 222 North Eleventh street, Philadelphia.

Riding Club, Southeast Corner Conshohocken and Windemere road, Philadelphia, \$10,000. Architect, private plans. Owners, Walter Briggs Academy, Thirty-first and Jefferson streets, Philadelphia. Brick, 2 stories, 55 feet 6 inches x 33 feet 6 inches. Contract awarded G. L. and J. K. Callahan, 431 Oriole street, Philadelphia.

Garage, 324 North American street, Philadelphia, \$7,200. Architect, private plans. Owner, Charles Benjamin, 324 North American street, Philadelphia. Brick, 2 stories, 20x108 feet, slag roof, steam heat, cement floors. Contract awarded to M. Glashofer, 529 Morris street, Philadelphia.

Residences (6), West side Eighty-second street, North of Crothers avenue, \$3,500 each. Architect, private plans. Owner, S. Rochlin, on premises. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to John McEnhill, 8311 Tinicum avenue, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall, D street, Tabor to Ashdale, S. C. Garofola, 3626 North Sixth street, Philadelphia,

Radiator Cabinet Company

SPECIALISTS IN RADIATOR CONCEALMENT

211 Drexel Building

Philadelphia

Lombard 4900

\$6,053.50. Garland, Tabor to Summitt, P. Pinchiotti, Philadelphia, \$6,460. Aramingo street, Duffin Brothers, Penn and Womrath streets, \$17,542.87. Gilman and Greby streets, S. C. Rotchell, Haines and Limekiln, \$8,702.68. Duval, Musgrave to Ross, Mack Paving Co., Nicetown lane and C street, \$5,228.16. Tulip, Allegheny and Westmoreland streets, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$6,928.82. Thirty-first and Thirty-second streets, etc., Mazzola & Mariana, 739 South Seventh street, Philadelphia, \$15,357.30. Ninth, Spring Garden to Green, Union Paving Co., Thirtieth and Locust streets, \$5,116.55. Fifty-seventh, Overbrook avenue to City Line, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$5,882.50. Broad street, Filbert to South Penn Square, etc., J. B. Accchione, 755 South Warnock street, Philadelphia, \$186,160. Ninth street, Diamond to Susquehanna, Municipal Paving Co., Second and Wingohocking, \$5,936.84. Asphalt Paving Mixtures, Eastern Asphalt Co., 1600 Arch street, Philadelphia, \$19,215.

Stores (8), 63 Cheltenham avenue, Phila. Architects, The Ballinger Co., 12th and Chestnut street, Phila. Owners, Felt Bros., Packard Building, Phila. Brick, steel, 1 story, 60x50 feet, slag roof, pine and cement floors, electric light, metal lath, tile work, bond, iron work. Contract awarded Haverstick & Borthwick, Schaff Building, Phila.

Garage, 1616-18 N. Bailey street, Phila., \$10,000. Architect, private plans. Owner, John Gibbons, 1616 Bailey Street, Phila. Brick, 1 story, 45x87 feet 6 inches, slag roof, cement floors. Contract awarded to Smith-Hallstrom, 7959 Oxford street, Phila.

Apartment House (alts.), 1715 N. 18th street, Phila., \$4,000. Architect, private plans. Owner, Miss H. E. Silver, 2035 Park avenue, Phila. General alterations. Contract awarded to John Roman, 414 E. Brighthurst street, Phila.

Pennsylvania Construction News

Swimming Pool, Baltimore pike, Delaware County, Pa. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Reinforced concrete pool, 45,000 square feet, sand beach, frame buildings, size of lot, 300x600 feet. Plans in progress.

Nurses' Home, Bethlehem, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, St. Luke's Hospital, Bethlehem, Pa. Brick, steel. Plans in progress.

School Building, Hopewell Township, New Sheffield, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Asbestos Building Co., Liberty Title and Trust Building, Philadelphia. Plans completed.

Dyke, between Philadelphia County and Delaware County, along Bow Creek, \$100,000. Architect, private plans. Owners, Department of Public Works, Bureau of Engineering, Philadelphia. Plans in progress.

Hospital (add. and alts.), Sellersville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Grand View

Hospital, W. A. Derstine, 239 Branch street, Quakertown, Pa. Stone, 2 stories. Plans in progress.

School, Maytown, Pa. Architect, E. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, East Donegal Township School Board, T. Shireman, Maytown, Pa. Brick, 2 stories. Plans in progress.

Fire House, Mt. Joy, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Borough of Mt. Joy Fire Department, care of architect. Steel, brick, cinder block, 2 stories, various sizes, concrete floors, heating extension, electric light. Plans in progress.

Parsonage, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Grace Lutheran Church, care of architect. Brick, 2½ stories, 40x40 feet, slate roof, hardwood floors, tile work, hot water heat, electric light. Plans in progress.

Home (alts.), Newville, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Presbyterian Home of Central Pennsylvania, Dr. Shaffer, Carlisle, Pa. Plans in progress.

Show Room and Service Building, Baltimore and Rigby avenue, Lansdowne, Pa. Architect, H. L. Reinhold, 1632 Walnut street, Philadelphia. Owner, August Wright, Lansdowne, Pa. Revised plans in progress.

Residences (25), Worrel street, Chester, Pa. Architect, private plans. Owner, B. Guberman, 6219 Webster street, Philadelphia. Brick, 2 stories, 18x31 feet, slag and slate roof, hardwood floors, hot water heat, electric light, tile work, garage in basement. Owner taking sub-bids.

Dye House, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Arcadia Mills, 749 Pittston street, Allentown, Pa. Brick, steel, 1 story, 70x70 feet, slag and slate roof, cement floors, electric light, steel sash, wrought iron pipe, bronze, dye house, brick, frame, 1 story, 90x150 feet, wood and concrete floors, roof ventilators, fire doors. Architects taking bids.

Theatre, Hanover, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, Hanover Theatre Co., care of architects. Semi-fireproof, 2 stories, 50x230 feet, Barrett roof, composition, tile floors, hollow tile, roof ventilators, ornamental iron, iron stairs, fire doors, steel sash, tile, marble, terrazzo, metal lath (heating, plumbing and electric reserved). Architects will be ready for bids next week.

Residences and Garages (2), 51-1 and 51-2 Manoa road, Penn Wynne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, McWilliams & Maloney, City Line and Haverford road, Philadelphia. Frame, stucco, frame, 2½ stories, 28x31 feet, 10x18 feet, shingle roof, electric light, central heat, tile work, hardwood floors. Owners taking sub-bids.

Residence, Muhlenberg Park, Reading, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, I. C. Boyer, R. F. D. No. 2, Reading, Pa. Brick, stucco, 2 stories, 30x26 feet, asbestos shingle roof, hardwood floors, electric light, tile work. Owner will build.

Office Building, Sixty-ninth and Walnut streets, Upper Darby, Pa. Architects, Tunis & Baker, 1600 Arch street, Philadelphia. Owners, Delaware County Real Estate Board, W. A. Loomes, Upper Darby, Pa. Brick, limestone, granite, steel, 2 stories and basement, 44x115 feet, slag roof, maple and linoleum floors, vapor vacuum heat, oil burner, metal lath, tile and marble work, fire doors, ornamental iron work, area gratings. Architect sub-letting.

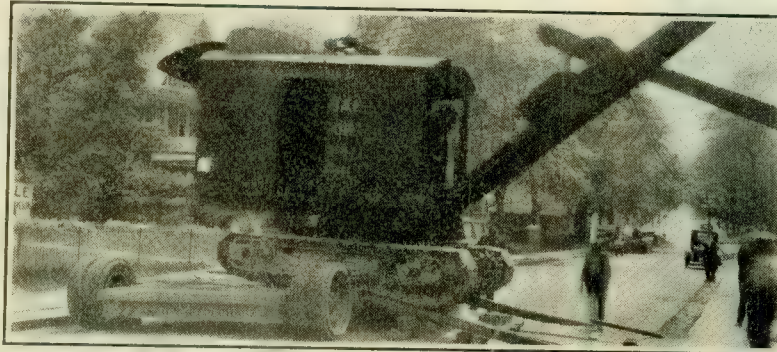
Residences (28), Greenway, between Third and Fourth streets, Darby, Pa. Architect, N. G. Gallucci, 1506 Locust street, Philadelphia. Owner, A. C. Beato, care of architect. Brick, 2 stories, 16x32 feet, slag roof, hardwood floors, electric light, hot water heat, tile work, basement garages. Owner taking sub-bids.

Store and Office Building, Ardmore, Pa. Architect, N. G. Galluccio, 1506 Locust street, Philadelphia. Owner, name withheld. Brick, steel, fireproof, 4 stories, 48x100 feet, gypsum roof, reinforced concrete floors, elevators,

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

vacuum heat, electric light. Plans about completed. Architect will be ready for sub-bids in one week.

Residence, Fourteenth street, Reading, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owner, Lester S. Reitz, 511 North Ninth street, Reading, Pa. Brick, stucco, 2 stories, 19x45 feet, asbestos shingle roof, hardwood floors, electric light, tile work. Owner will take bids.

School, Coplay, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Peter's Roman Catholic Church, Rev. J. Ostheimer, Northampton, Pa. Brick,

steel, 3 stories, 55x107 feet, composition roof, yellow pine floors, hollow tile, safety treads, roof ventilators, iron stairs, fire doors, steel sash, tile work (heating, plumbing and electric separate). Architect ready for bids.

Telephone Building (alts. and add.), Pittston, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Nineteenth and Arch streets, Philadelphia. Brick, steel, 3 stories and basement, 52x40 feet, slag roof, cement floors, plumbing, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, metal lath, electric light, steam heat. Architect taking bids due September 6th.

Garage, Chester, Pa. Architect, private plans. Owner, R. W. Beneke, Chester, Pa. Brick, steel, 2 stories and basement, 60x250 feet, cement floors, slag roof, rolled steel sash, bond, ornamental iron work. Owner taking bids due September 7th.

Church (alts. and add.), Haws avenue, Norristown, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owners, Calvary Baptist Church, Norristown, Pa. Architect taking bids due September 7th.

Church (add.), Royersford, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owners, First Reformed Church, A. O. Bartholomew, Royersford, Pa. Stone, 1 story, 50x80 feet, slate roof, hardwood floors, electric light. Architect taking bids due September 5th.

Residence (alts.), Shenandoah, Pa. Architects, Scholl & Richardson, Fifth and Walnut streets, Reading, Pa. Owner, D. J. Ferguson, Citizens' Bank Building, Shenandoah, Pa. Seuceo, 1½ stories, 60x100 feet, shingle roof, electric light, tile work, partitions. Owner taking bids.

Lodge, Apartment and Gymnasium, Coplay, Pa. Architect, C. J. Lapple, Parkside Building, Harrisburg, Pa. Owners, P. O. S. of A., John Frickeit, secretary, Coplay, Pa. Brick, structural steel, cinder block, 2 stories, 132x46 feet, oak, tile and linoleum floors, composition roof, roof ventilators, ornamental iron, floor hardener, casement windows, tile work (heating, plumbing and electric separate). Architect taking bids due September 9th.

Library, Selinsgrove, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Susquehanna University, Senator Steel, Northampton, Pa. Concrete, steel, brick, cinder block, 2 stories, gypsum slate roof, composition floors, dampproofing, ornamental iron, steel sash, electric light. Architects taking bids due September 19th.

Residence, Elkins Park, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Richard C. Kelly, care of architect. Stone, 2½ stories

and basement, 49x28 feet, wing 18x60 feet, slate roof, oak and pine floors, plumbing, vapor heat, electric light, metal lath, tile work, bond, ornamental iron work. Architect taking bids due September 2nd.

School (alts.), Hatboro, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, School District of Borough of Hatboro, Pa. Concrete, cement, cut stone, brick. Low bidders: Stahl & Walton, Willow Grove, Pa., \$5,420; H. A. Hopple, Heed Building, Philadelphia, \$5,895; plumbing only, Sleight Brothers, Willow Grove, Pa., \$2,954.80 (only bidder).

School (add.), Boothwyn, Delaware County, Pa. Architect, Frank C. Watson, Crozer Building, Chester, Pa. Owner, Upper Chichester Township School District, Delaware County, Pa. Brick, frame, 1 story and basement, 73x24 feet. Low bidders: William A. Keister, Lynwood, Pa., \$5,875; J. Reese Woodall, Marcus Hook, Pa., \$6,435.

Administration Building, Brookline, Haverford Township, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owners, Commissioners of Haverford Township, Oakmont, Pa. Brick, limestone, steel, 2½ stories and basement, 82x52 feet, wing 33x27 feet. Low bidders: F. K. Worley, Wesley Building, Philadelphia, administration \$87,492, garage \$11,130, shed \$3,146; George H. Evans, 1416 Vine street, Philadelphia, administration \$90,432, garage \$11,400, shed \$3,225; F. V. Warren Co., 1913 Arch street, Philadelphia, administration \$89,519, garage \$13,520, shed \$5,148.

Pipe Sewer, Aldan, Pa. Architects, Damon & Foster, 6932 Market street, Upper Darby, Pa. Owners, Borough of Aldan, A. D. Abel, Aldan, Pa. Construction of sewer in Oak lane, Magnolia avenue, Walnut avenue. Certified check, \$300. Owners taking bids due September 8th, 7 P. M. (Standard Time).

Moving Residence, Springfield, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners, Springfield Township, John Calder, secretary, Fire House, Springfield, Pa. Consists of masonry foundations for house and moving of same from present location to new foundations. Certified check, \$100. Owners taking bids due September 6th at 7 P. M. (Eastern Standard Time).

Paving, Marcus Hook, Pa. Engineer, C. F. Baker, Crozer Building, Chester, Pa. Owners, Borough of Marcus Hook, R. C. Rennie, Marcus Hook, Pa. Paving of Church and Ninth streets. Certified check, \$150. Owners taking bids due September 12th, 8 P. M.

Heating System, Ivyrock School, North Elm street, near Ivyrock, Pa. Owners, Board of Education, Plymouth Township, B. Hallman, R. F. D. No. 2, Conshohocken, Pa. Own-

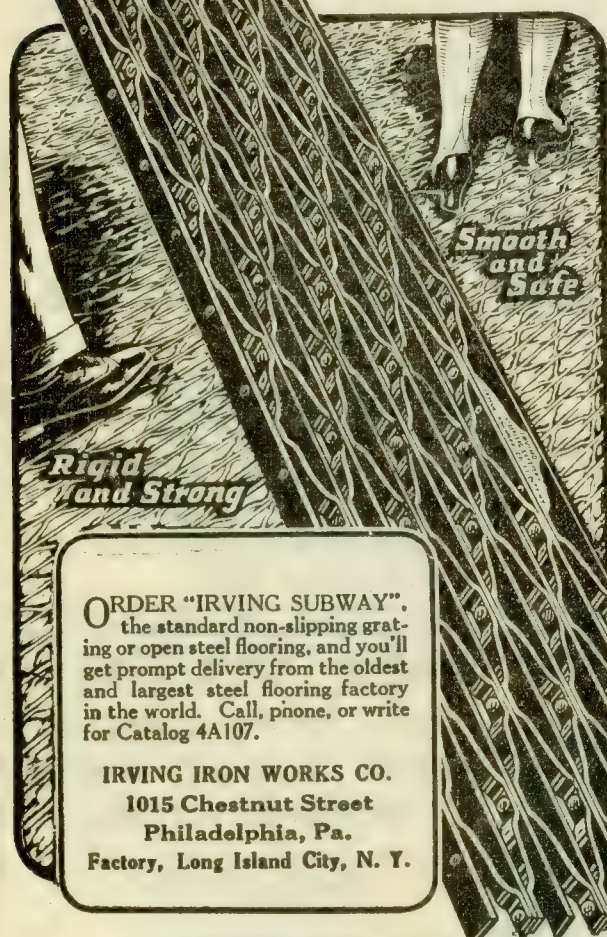
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*

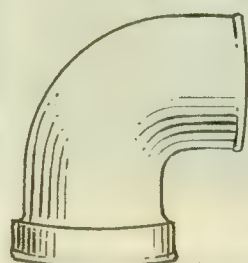


ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
SUBWAY
FLOORING**

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

**TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING**

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

ers taking bids due September 9, 7 P. M. (Standard Time). Certified check, 2 per cent.

Sewage Treatment Plant, Contract No. 1, Allentown, Pa. Engineers, Metcalf & Eddy, Statler Building, Boston, Mass. Owners, City of Allentown, 301 Central Fire and Police Station, Allentown, Pa. Lowest bidder, Stephen U. Hopkins, 551 Fifth avenue, New York.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Low bidders:

Lackawanna County, A-4356-7, Dalton Borough, Abington Township. One course reinforced concrete. Tyler & Cole, Meshoppen, Pa., \$69,974.90.

Chester County, R-131, West Chester Borough, West Goshen Township. One course reinforced concrete. Souder Const. Co., Lancaster, Pa., \$109,941.68.

Blair County, R-53, Hollidaysburg Borough. One course reinforced concrete. David Bailey, Morrisdale, Pa., \$16,542.80.

Greene County, R-110, S-3, Franklin Township. One course reinforced concrete. Jones Const. Co., Beallville, Pa., \$44,644.35.

Luzerne County, A-3802, Black Creek Township. Grading and drainage. Joseph Banks Const. Co., Wilkes-Barre, Pa., \$77,926.90.

Clarion County, A-4421, Beaver Township. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$98,017.97.

Erie County, R-496, S-2, Fairview Township. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$61,280.19.

Cambria County, R-525, A-4240, Lower Yoder Township. One course reinforced concrete. E. H. Brua, Hollidaysburg, Pa., \$6,140.

Beaver County, R-76, S-4B, Monaca Borough. One course reinforced concrete. Kemena Lumber Co., Ambridge, Pa., \$16,239.50.

Westmoreland County, R-120, Sec. 1C, 1D, Hempfield Township. One course reinforced concrete. Corrado & Galiardi Const. Co., Connelville, Pa., \$103,398.52.

Lycoming County, R-355, Wolf Township and Hughesville Borough. One course reinforced concrete. Tyler & Cole, Meshoppen, Pa., \$95,081.40.

Butler County, R-214, Butler Township, Butler City. One course reinforced concrete. W. H. Nicely Const. Co., Ligonier, Pa., \$30,908.40.

Huntingdon County, R-55, Alexandria Borough. One course reinforced concrete and bituminous concrete on broken stone base. Thomas J. Strickler, Huntingdon, Pa., \$32,015.95.

Washington County, R-545, Sec. 2, Independence Township. One course reinforced concrete. Jones Const. Co., Beallsville, Pa., \$55,570.45.

Residence, Wallingford, Pa. Architect, R. Brognard Okie, 306 S. Smedley street, Phila. Owner, Wm. A. Clarke, Packard Building, Phila. Franme, stucco, 2½ stories, 32x70 feet. Architect taking bids due as soon as possible.

Residences (20 semi-detached), Plumstead avenue, W. of Windermere avenue, Lansdowne, Pa. Architect, private plans. Owner, Samuel Saidell, 5338 Delancey street, Phila. Stone, stucco, 2½ stories, 18x17 feet; 20x16 feet, asbestos shingle roof, slag roof, oak and pine floors, hot water heat, electric light, tile bath. Owner taking sub-bids due as soon as possible.

Pennsylvania

Contracts Awarded

Residence, Wyomissing, Reading, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, Theodore C. Aumans, Reading, Pa. Stone, cut stone, steel, 2½ stories and basement, irregular in size, hot water heat, electric light, metal weather strip, slate roof, oak, pine and cement floors, plumbing, metal lath, tile and marble work, bond, ornamental iron work, incinerator. Contract awarded Wyomissing Dev. Co., Wyomissing, Pa.

Store and Apartment, Narberth, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, H. B. Rittenhouse, Fifty-third and Vine streets, Philadelphia. Brick, stucco, 2 stories, 56x60 feet, slate and tile roof, oak and pine floors, hot water heat, electric light, tile work, metal lath, ornamental iron work. Contract awarded J. H. Dawson, Folcroft, Pa.

Hospital Building, Bryn Mawr, Pa. Architects, Zantzing, Borie & Medary, Otis Building, Philadelphia. Owners, Bryn Mawr Hospital, care of W. Hinkle Smith, Liberty Bldg., Phila. Excavation, reinforced concrete, waterproofing and dampproofing, cement floors, granite, marble work, brick work, carpentry and mill work, cabinet work, tile, slate and terrazzo work, 6 stories and basement, 150x46 feet, 3 stories and basement, 83x46 feet, wing 44x206 feet. Contract awarded Engstrom & Wynn, Wheeling, W. Va.

Residence, Drexel Hill, Pa. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, Howard Davis, Drexel Hill, Pa. Stone, 2½ stories and basement, 43x30 feet, shingle roof, pine floors, ornamental iron work, tile work, hot water heat, electric light. Contract awarded D. Ridgeway Evans, Media, Pa.

Residence and Garage, Ardmore, Pa. Architect, R. Brognard Okie, 1600 Walnut street, Philadelphia. Owner, W. D. Philler, care of architect. Stone, 2½ stories, wood shingle roof, hardwood floors, casement work, metal lath, hot water heat, electric light, tile

work. Contract awarded M. N. Croll, St. David's, Pa.

Store, Apartment and Gas Station, Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owner, Kirk John-

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

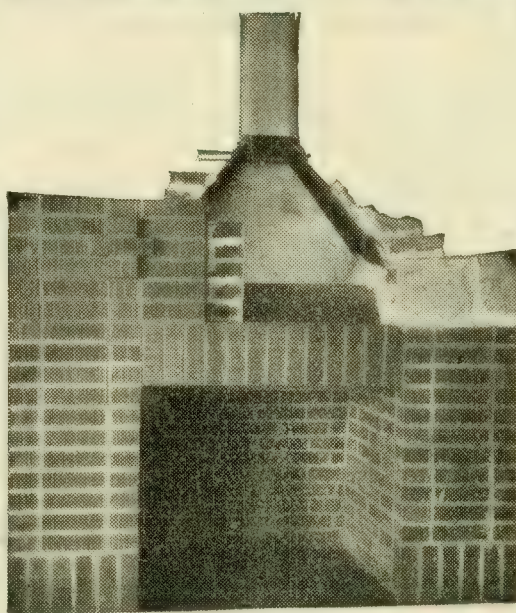
TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

son, 33 West King street, Lancaster, Pa. Steel, concrete, brick, stucco, 2 stories, 36x90 feet, 30x30 feet, slab roof, maple and concrete floors, electric light, tile and marble. Contract awarded to William Eisenberger, Lancaster, Pa.

School, Penn avenue, Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, St. Paul's Roman Catholic Church, Rev. J. V. Hussie, 1510 Penn avenue, Scranton, Pa. Brick, reinforced concrete, cut stone, steel, 3 stories and basement, 93x125 feet, slag and green tile roof, linoleum, cement and pine floors, hollow tile, waterproofing, area gratings, ornamental iron, iron stairs, bond, steel sash, tile work, metal lath. Contract awarded to Central Const. Co., Seventh and Emerald streets, Harrisburg, Pa.

Sunday School (add.), York, Pa. Architect, Edward Leber, Hay Building, York, Pa. Owners, St. James' Evangelical Lutheran Church, Rev. B. C. Ritz, 1433 West Market street, York, Pa. Brick, slate roof, pine floors, cast stone, iron work. Contract awarded D. S. Pressel, 2212 West Market street, York, Pa.

Dining Hall (alts.), Bloomsburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Bloomsburg State Teachers' College, Bloomsburg, Pa. Structural steel, concrete, 25x50 feet, cut stone, brick, tile and marble. Contract awarded to W. H. Cramer, Emporium, Pa.

Laboratory (add.), Enola, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, State of Pennsylvania, Capitol Building, Harrisburg, Pa. Concrete, brick, 2 stories, 25x50 feet, Barrett roof, wood floors, electric light, steel sash. Contract awarded to H. A. Hipple, 2945 North Front street, Harrisburg, Pa.

Residence (add. and alts.), 321 Douglas street, Reading, Pa. Architect, F. A. Muhlenberg, Ganster Building, Reading, Pa. Owner, Arthur C. Roland, 321 Douglass street, Reading, Pa. Brick, 2 stories, 60x32 feet, tin roof, hardwood floors, electric light. Contract awarded to W. E. Spatz, 230 North Sixth street, Reading, Pa.

Residence, Wyomissing Hills, Reading, Pa. Architects, Scholl & Richardson, Fifth and Walnut streets, Reading. Owner, Carl Lauer, 804 North Fifth street, Reading, Pa. Stone, 3 stories, 50x120 feet, slate roof, hardwood floors, vapor vacuum heat, electric light, tile work, casement windows, ornamental iron. Contract awarded Reider & McLaughlin, 1504 Alsace road, Reading, Pa.

Sales and Service Building, Homestead and Cottman streets, Jenkintown, Pa. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, Ralph Cook, 1125 Brown street, Philadelphia. Brick, cut stone, steel, 2 stories, 222x50 feet, slag roof, cement floors, hollow tile, ornamental iron work, bond, steel sash and skylights, tile and marble work, metal lath, electric light, steam heat, oil burners. Contract awarded Roy Randall, Jenkintown, Pa.

Power House, Bethlehem, Pa. Architect, private plans. Owners, Central Railroad of New Jersey, Jersey City, N. J. Brick, steel, 1 story and basement, 80x46 feet, asbestos built-up roof, cement floors, plumbing, roof ventilators, electric light, iron stairs, ornamental iron work, brass pipe, area gratings, steel toilet partitions, iron pipe. Contract awarded J. E. Nelson & Son, Chicago, Ill.

Street Paving, Haverford, Pa. Owners, Township of Haverford, Oakmont, Pa. Broken stone section awarded to Suburban Const. Co., Ardmore, Pa., \$49,024.80. Cement and bituminous top section awarded to Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$24,901.70.

Street Paving, Collingdale, Pa. Owners, Borough of Collingdale, Pa. Contract awarded Suburban Const. Co., Ardmore, Pa.

State Highway Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Chester County, R-131, West Chester Borough, West Goshen Township. One course reinforced concrete. Contract awarded to Souder Const. Co., Lancaster, Pa., \$109,941.68.

Greene County, R-110, Sec. 3, Franklin Township. One course reinforced concrete. Contract awarded to Jones Const. Co., Beallville, Pa., \$44,644.35.

Clarion County, A-4421, Beaver Township. One course reinforced concrete. Contract awarded to J. C. Devine Co., Alliance, Ohio, \$98,017.97.

Erie County, R-496, S-2, Fairview Township. One course reinforced concrete. Contract awarded to J. C. Devine Co., Alliance, Ohio, \$61,280.19.

Beaver County, R-76, S-4-B, Monaca Borough. One course reinforced concrete. Contract awarded to Kemena Lumber Co., Ambridge, Pa., \$16,239.50.

Westmoreland County, R-120, Sec. 1C and 1D, Hempfield Township. One course reinforced concrete. Contract awarded to Corrado & Galiardi Const. Co., Connellsville, \$103,398.52.

Lycoming County, R-355, Wolf Township and Hughesville Borough. One course reinforced concrete. Contract awarded to Taylor & Cole, Meshoppen, Pa., \$95,081.40.

Beaver County, A-4746, Woodlawn Borough. One course reinforced concrete. Contract awarded to Rinehart Brothers, East Liverpool, Ohio, \$85,219.

Indiana County, Viaduct, R-262, Clymer Borough and Cherryhill Township, over Two Lock Creek and tracks of C. R. & D. R. R. Reinforced concrete and steel. Contract awarded D. A. and W. E. Clark, Johnsonburg, Pa., \$92,309.73.

Elk County, R-97, Ridgway Borough. Bituminous surface course. Contract awarded Permanent Paving Co., Johnstown, Pa., \$7,557.53.

Indiana County, R-228, Indiana Borough. One course reinforced concrete or bituminous surface course. Contract awarded John L. Elder, Ebensburg, Pa., \$51,404.45.

Dauphin County, R-1, Susquehanna Township. Grading and drainage. Contract awarded J. C. Shawfield Co., Harrisburg, Pa., \$19,980.53.

Westmoreland County, A-4638, Franklin Township. One course reinforced concrete. Contract awarded to W. H. Nicely Const. Co., Ligonier, Pa.

Chester County, R-147, East Marlboro and Kennett Townships. One course reinforced concrete. Contract awarded William Eisenberger, Camden, N. J., \$65,890.98.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Mercer Co., R-312, Grove City Borough, Bituminous surface course, \$13,772.80. Contract awarded to Allegheny Paving Co., Pittsburgh, Pa. Lackawanna Co., A-4336-7, Dalton Borough, Abington township, one course reinforced concrete, \$69,974.90. Contract awarded to Tyler & Cole, Meshoppen, Pa. Cambria Co., R-525, A-4240, Lower Yoder township, one course reinforced concrete, \$6,140. Contract awarded to E. H. Brua, Hollidaysburg, Pa. Huntingdon Co., R-55, Alexandria Borough, one course reinforced concrete and bituminous concrete on broken stone base, \$32,015.95. Contract awarded Thos. J. Stickler, Huntingdon, Pa.

Many a man would do a better job if he didn't know about putty.—Ex.

New Jersey Construction News

School Building (alts.), North Wildwood, N. J. Architects, Stackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Board of Education, North Wildwood, N. J. Interior completion of two wings for locker building. Plans in progress.

Church, New Brunswick, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Highland Park Methodist Episcopal Church, Highland Park, N. J. Brick, reinforced concrete, 2 stories, slag and composition roof, mineral floors, tile work, steel sash, cast stone. Revised plans about completed. Ready for bids in one week.

Masonic Temple, Plainfield, N. J. Architects, F. B. and A. Ware, 1170 Broadway, New York. Owners, Plainfield Masonic Realty Association, Plainfield, N. J. Brick, steel, concrete, 4 stories, 142x82 feet, Johns Manville roof, hardwood floors, hollow tile, roof ventilators, plate glass, cast stone, ornamental iron, steel casement windows, iron stairs, bronze, kalamein doors, steel skylights, tile, marble and terrazzo, metal lath (heating, plumbing and electric separate). Architects taking bids due September 7th.

Fire Hall, Magnolia, N. J. Architect, private plans. Owners, Borough of Magnolia, C. A. Wood, Magnolia, N. J. Cond. Owners taking bids due September 12th.

Bank (alts.), Collingswood, N. J., \$18,000. Architect, Herbert J. Radey, Collingswood, N. J. Owners, Collingswood National Bank, Collingswood, N. J. Brick, 2 stories, 25x40 feet, slag roof, composition floors, heating and lighting extensions, ornamental plaster. Plans about completed. Ready for bids in a few days.

Vocational School, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Meyer Wessel, Camden, N. J. Brick, reinforced concrete, steel, cut stone. Low bidders: George Bachman, Camden, N. J., \$813,131; H. John Homan, Eighteenth and Cherry streets, Philadelphia, \$842,876; electric, C. Wright, Camden, N. J., \$31,796; heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$105,494; plumbing, Keystone Heating & Equipment Co., 1317 South Juniper street, Philadelphia, \$58,430.

Grade School, Harlingen, Somerset County, N. J. Architects, Hill & Gollner, Broad Street Bank Building, Trenton, N. J. Owners, School Board of Somerset County, Frank Hageman, Skillman, N. J. Frame, 1 story and basement, 3 rooms, shingle roof, maple floors, safety treads, electric work (heating, plumbing and electric separate). Lowest bidders: E. R. Westevelt, Somerville, N. J., \$19,945; heating, George J. Weigand, 137 Sherman avenue, Trenton, N. J.; plumbing, Philip S. Slack, 211 Perry street, Trenton, N. J.; electric, P. G. Peiffer, Trenton, N. J.

Paving and Grading, Clementon, N. J. Engineer, W. P. Houwen, 209 Market street, Camden, N. J. Owners, Township of Clementon, N. J., J. R. Rushton, Lindenwold. Bond. Owners taking bids due September 6th, 8 P. M. (Daylight Saving Time) addressed to Edward ArAentzen, Clerk, Township of Clementon, Stratford, N. J. 14,380 lineal feet 4-inch x 4-foot sidewalk, 5,695 lineal feet 6-inch x 14-inch x 7-inch curb, 8,390 6-inch driveway and gutter, 1,280 cubic yards grading. Certified check, 10 per cent.

Concrete Curbs, Gutters, etc., Clementon, N. J. Engineers, Remington & Vosbury, Camden, N. J. Owners, Borough of Clementon, S.

Wayne Clarke, Clerk, Clementon, N. J. Owners taking bids due September 6th, 8 P. M. (Daylight Saving Time). 301,000 square feet 4-inch concrete sidewalks, 2,000 square feet 7-inch sidewalks, 9,000 lineal feet combination curb and 36-inch gutter, 800 square yards 8-inch reinforced concrete gutter (cross), 700 lineal feet Armoured radius curb, 500 lineal feet 15-inch T. C. storm sewer connection, 6 feet deep, 24 No. 2 city inlets. Certified check, 10 per cent. Deposit, \$15, refund \$10.

Road Work, New Jersey. Owners, State Highway Department, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Relocation of Route 14, Seefl 18, May's Landing, in Atlantic County. Unclassified excavation, mud excavation, borrow, double line reinforced concrete pavement, gravel surface, and (1) bridge. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due September 12th at 11 A. M. (Eastern Standard Time).

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 1, Sec. 7A, Mercerville-Hamilton Square, Mercer County. Low bidders: F. A. Canuso & Son, 804 South Twelfth street, Philadelphia, \$225,028.70.

Route 18 North, Sec. 5, Englewood Cliffs-Alpine, Bergen County. Low bidders: R. J. Groves & Sons, Mt. Ephraim, N. J., \$378,216.10.

Route 1 Extension, Section 14A, Contract 8, Newark, N. J. Viaduct. Low bidders: Charles Meads & Co., 217 West Fourteenth street, New York, \$1,147,406.

New Jersey Contracts Awarded

Work House, Blackwood, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Chosen Freeholders, Camden, N. J. Brick, cut stone, steel, 1 story and basement, 153x24 feet, wing 66x24 feet. Contract awarded to Costanza Brothers, Camden, N. J., \$29,800; electric, C. T. Wright, 18 North Thirtieth street, Camden, N. J., \$2,600; heating and ventilating, Harry Knecht, West Collingswood, N. J., \$8,470; plumbing, Fred Waackenhutt, 2416 Frankford avenue, Philadelphia, \$6,819.

Borough Hall, Haddonfield, N. J. Architect, W. W. Sharpley, 225 East Washington Square, Philadelphia. Owners, Borough of Haddonfield, Borough Hall, Haddonfield, N. J. Brick, limestone, steel, 2 stories and basement, 88x50 feet, slate roof, cement and mastic and pine floors, steam heat, electric light, metal lath, tile and marble work, bond, ornamental iron work. Contract awarded George W. Shaner & Son, Palmyra, N. J., \$132,473; limestone, add \$2,222.

Police Headquarters, Hamilton Township, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Hamilton Township Building Commission, care of architect. Brick, steel, 1 story, 50x100 feet, slag roof, concrete floors, metal window guards, metal lath, dampproofing, jail equipment, steel sash (heating, plumbing, electric separate). Contract awarded to Thomas Day & Sons, Day Building, Trenton, N. J.; plumbing awarded to W. J. Larzelere, Hutchinson road, Trenton, N. J.; heating to Joseph Reeve, Trenton, N. J.; electric to George Blair, 311 Ardmore avenue, Trenton, N. J.

Store, 1135 Mt. Ephraim avenue, Camden, N. J., \$5,500. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Walter

Dziatkiewicz, 1212 Mt. Ephraim avenue, Camden, N. J. Brick, 1 story, 23x94 feet, slag roof, electric light. Contract awarded to John Onderski, 1036 Everett street, Camden, N. J.

Residences (2), 1026-28 North Thirty-first street, Camden, N. J., \$7,500 total. Architect, private plans. Owners, Pogust & Jones, care of builder. Frame, 2 stories, 16x34 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Henry Bowman, 1047 Beideman avenue, Camden, N. J.

Building (add.), Nineteenth and Federal streets, Camden, N. J., \$4,600. Owners, Warren-Webster Co., Nineteenth and Federal streets, Camden, N. J. Brick, 1 story add., 30x62 feet, slag roof. Contract awarded to Austin Co., 1015 Chestnut street, Philadelphia.

Building (add.), 312 North Third street, Camden, N. J., \$4,000. Architect, Howard E. Hall, Merchantville, N. J. Owner, Edwin Cades, care of builder. Brick, 3 stories and basement, 20x35 feet, slag roof, hot water heat, electric light. Contract awarded to John Loperfido, 1193 Jackson street, Camden, N. J.

Residences (4), 1100-06 South Collings road, Camden, N. J., \$14,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owner, Rosi Villaco, 840 South Fifth street, Camden, N. J. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Vincenzo Imbessi, 2911 Congress road, Camden, N. J.

Residences (2), Garage (1), 916-18 Morton street, Camden, N. J., \$10,000. Owner, Jess Smulinsky, Blackwood, N. J. Brick, 2 stories, 16x43 feet and 14x43 feet, garage, 1 story, 12x18 feet, slag roof, hot water heat, electric light. Contract awarded Thaddeus Broz, 1223 Chase street, Camden, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Matawan Creek Bridge, Route 4, Sec. 34A, Monmouth County. Contract awarded to S. S. Thompson, Red Bank, N. J., \$340,444.

School Building, Sharon Springs, N. Y. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Owners, Board of Education, Sharon Springs, N. Y. Contract awarded awarded Asbestos Building Co., Liberty Title & Trust Building, Phila.

Treatre, 3rd and Blackhorse Pike, Runnemede, N. J. Architect, I. W. Levin, 1011 Chestnut street, Phila. Owner Wm. Forman, Lincoln Building, Phila. Brick, 1 story, 86x125 feet, seating capacity 1,000, cement floors, slag roof, unit heating, electric light, kalamain doors, cinder concrete block. Contract awarded Harry Rose, 1427 Nedro avenue, Phila., who is taking sub-bids.

Miscellaneous Construction News

School (add.), Auditorium and Gymnasium, Brunswick, Md. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Frederick County School Board, L. G. Palmer, secretary, Court House, Frederick, Md. Brick, steel, 2 stories and basement, 117x50 feet and 117x40 feet, slate and composition roof, hardwood floors, hollow tile, bond, fire doors (heating, plumbing, electric reserved). Owners ready for bids.

School, Abingdon, Harford County, Md. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Board of School Commissioners of Harford County, C. Milton Wright, Court House, Bel Air, Md. Brick, 1 story, 80x105 feet, composition roof, pine floors, hol-

low tile, roof ventilators, bond, steel sash (heating, plumbing and electric separate). Owners taking bids.

Residence and Garage, Greensboro, N. C. Architect, C. H. Fries, Frankford and Oxford avenues, Philadelphia. Owner, name withheld. Frame, 2½ stories, 52x32 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, garage, brick, stucco, 2 stories, 22x30 feet, cement work, slate roof, steel sash. Plans in progress.

Church, Morgantown, W. Va. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, First Baptist Church, Morgantown, W. Va. Plans completed. Ready for bids in 3 weeks.

Gym Building, Brunswick, Georgia. Architects, H. Rex Stackhouse and W. W. Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Glynn County Board of Education, Brunswick, Ga. Cut stone, brick, reinforced concrete, steel, 2 stories, 102x78 feet, front wing 14x32 feet, gallery; 500 seating capacity, gypsum and slag roof, shower, locker and directors' rooms, slate treads, metal stairs. Plans in progress.

Residence, Middleton, R. I. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. R. Knight, care of architect. Stone, 2½ stories and basement, 30x90 feet, 2 wings 20x20 feet, slate roof, pine and oak floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Architect taking bids due September 1st.

Convent and Academy Building, Syossett, Long Island, N. Y. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Sisters of Mercy, Syossett, Long Island, N. Y. Architect taking revised bids due September 7th.

Church, Newdorp, Staten Island, N. Y. Architect, Mileon T. Craig, 2341 Richmond road, Newdorp, Staten Island. Owners, Church of Our Lady Queen of Peace, Rev. J. J. Hopkins, on premises. Stone, reinforced concrete, granite, brick, steel, 1½ stories and basement, 101x50 feet, shingle and built-up roof, cement and maple floors, plumbing, waterproofing (heating and electric reserved), metal lath, bond, ornamental iron work, wrought iron pipe. Architect taking bids.

Highway Work, Delaware. Owners, Delaware State Highway Department, Dover, Del. Lowest bidders on proposals received August 24th, 1927:

Contract 87, Little Creek-Leipsie, 6.54 miles. E. Riley Mixner Co., Goshen, N. J. Stone, \$115,029; slag, \$115,029.

Contract 92, Philadelphia Pike (Bellevue-Claymont), 2.08 miles. George & Lynch, Dover, Del. Option No. 1, \$185,490; option No. 2, \$185,270.

Contract 93, Stanton-Lincoln Highway, 0.93 miles. O. E. O'Connell & Sons, Ridley Park, Pa., \$35,149.

Contract 53C, Broadkill Bridge Approaches, 0.23 mile. Walter Roach, Georgetown, Del., \$8,607.50.

Miscellaneous Contracts Awarded

Boiler Room (alts.), Bellview, Del. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owner, Haro'd Keen, Bellview, Del. Reinforced concrete block, cement work, plastering, steel and iron work, waterproofing, slag roof, carpentry and mill work, hardware, brick work, iron beams, 16x38 feet. Contract awarded O. J. Glendenning, Chester, Pa. Electric and plumbing, C. Gibney, Holly Oak, Del.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 25, 1927. Sealed bids will be opened in this office at 3 p. m., September 20, 1927, for remodeling mailing platform, installing new lift, lighting fixtures, changes, etc., at the United States post office, Johnstown, Penna. Drawings and specifications may be obtained from the custodian of the building, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 24, 1927. Sealed bids in duplicate will be received until 3 p. m., September 21, 1927, for additional stories and work incident thereto of the United States Liberty Loan Building at Washington, D. C. Drawings and specifications may be obtained at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

THE ETERNAL TRIANGLE IN THE BUILDING INDUSTRY

By RUSSELL GUERNE DE LAPPE, *Architect*

The eternal triangle in the building field comprises three members: The owner, with his project and the desire and money to finance it; the contractor or contractors, able and capable to assemble the materials and direct the craftsmen and labor throughout the execution of the work, and the architect, whose translation of the idea into working drawings and contract documents, whose position as accountant and overseer, completes this three-member partnership.

The overlapping in these fields invariably leads to loss, misunderstanding and friction. An owner, without funds, pressing a flimsily financed project, secures an incompetent, cheaply-obtained architect, to delineate misprepared plans, incomplete specifications and faulty documents, rendering no service as supervisor over the accounts or the work. These documents are placed in the hands of greedy, foolish contractors and at once is begun a building "flop."

The owner without finances is a menace to the building fraternity. The architect credulous enough to be duped into rendering less service for less fee, is likewise a menace, and the contractor or contractors undertaking the performance of such work are certainly greedy, if not foolish. Such a picture can carry the inscription "disaster."

View the other picture: The intelligent, ambitious, creditable owner, who realizes the possibilities of his property under a certain development program. In expecting nothing for nothing he first

arranges his finances. He is master of the situation, can pay for the obligations he assumes and with clarity of mind entertains the furtherance of his program. His architect, a trained man, versed in building, proficient in design ability, practical in his procedures, prepares a series of studies and schemes for the future building. Various possibilities are exhausted and a final solution accepted. Then the working drawings, specifications and other contract documents are undertaken and completed.

These are the tools necessary for the contractor or contractors to have, from which their estimates and calculations are made. The architect is morally obligated to the building trades to give them as clear and comprehensive a set of such documents as he is able to give. He cannot do so when he is underpaid.

The building program has materialized and the project is started; ground is broken and the noise of construction is heard. The building is to be no better than made possible through the funds available nor any better than the drawings prepared, and certainly none better than the ability and craftsmanship of the men completing the contracts. Such intimate relationship as required in every building project between the owner, architect and builder assuredly calls for the closest co-operation between each member of this triumvirate.

The example set by established, efficient institutions is worthy of emulation. They do not undertake to build without funds, nor do they secure a set of plans free. They do not permit hod carriers to do plastering, or in general, require everyone to perform everyone's else duties. Their procedure is quite direct and definite because it is most economical. The success of their project depends on their judicious selection of the right man to perform his respective duties.

At just which point in the building scale architects become an expensive luxury is as yet unproven. An architect, if indispensable on larger work, is indispensable on smaller work, or if not of value to the one is not of value to the other. The logical conclusion to this syllogism is to be determined by observation. An analogous situation would be in saving the electric light bill by not installing electricity. Few care to read by candle light in this modern era. Realizing this truth, those of the building trade through the experience of enjoying the co-operation of an able architect and a thrifty owner, are doing a laudable work in sponsoring correct building, which means better building. It is the prerogative of these men of the trade to expect the documents to be complete—those documents in which they place their

confidence to the extent of giving a guarantee of the contract which they take.

It is a man-to-man obligation which they expect fulfilled by having the accounts so supervised that their money will be available upon the performance of their work. The architect in return only expects performance and the owner, the greatest contributor of all, certainly is justified in expecting a dollar in building for a dollar spent. Those owners who gluttonously want \$1.10 or \$1.20 for \$1.00 can be disillusioned when the building fraternity acts harmoniously together to point out the folly of this misconception. The owners who have dollars to spend will spend them if, through the co-operation of the trades and professions, they can see that the city being built is being built well, and that their investment is substantial as well as profitable.—*East Bay Builder*.

GIVE THOUGHT TO CITY PLANNING

Intelligent city planning is an essential effort fast becoming the medium designed to make for better built cities and better citizenship in the broadest sense of the terms.

City planning comprehends the application of sound business principles to governmental activities. Who can question the soundness of planning and building cities consistent with preconceived, well-thought-out plans? The scope of city planning, however, comprehends more than laying out a city with so many streets, zones to regulate uses of properties and occupancies, and other usually accepted objectives of a city plan.

Matters of health, safety of life, transportation facilities, uses of building materials, recreational conveniences, housing, sanitation, engineering, architecture, water, power, industry, all are inter-related and inseparable from the comprehensive city plan idea. Property values and stabilization of investments are dependent on the growth and destiny of cities.

A city plan advocate aptly said: "Environment and inspiration is often more important than heredity to future generations." And these words lead to the thought of delinquents and delinquencies, crime waves and tides. So to a large extent even the problem of combatting insidious practices and organized enemies of society lies in plans by which cities are built and operated.

Public consciousness is fast coming to realize that city planning has fundamental values and basic practical humanitarian objectives which will be reflected in the better character of growing and future generations.—*Oakland Outlook*.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway, & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Seiver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.
Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.
Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.,
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.
Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. 44 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T. & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Pettit, Frank, Orn. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.
Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Charles F. Felin & Co., Inc.,
York Road and Butler St., Phila.
Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard 3rd and Girard Ave., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.
Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna. Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RADIATOR CABINETS

Radiator Cabinet Co. Drexel Bldg., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50 N. 5th St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

WATERPROOFING



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

PERSONAL POSSESSIONS

have an insurable value
all their own

It will cost you a very small amount
to insure against loss of personal effects
in transit, in club locker rooms, hotels
and public places—anywhere outside
your home.

Ask your agent for information about
North America Tourist Baggage Insur-
ance. You need not be a tourist to
benefit by this protection.

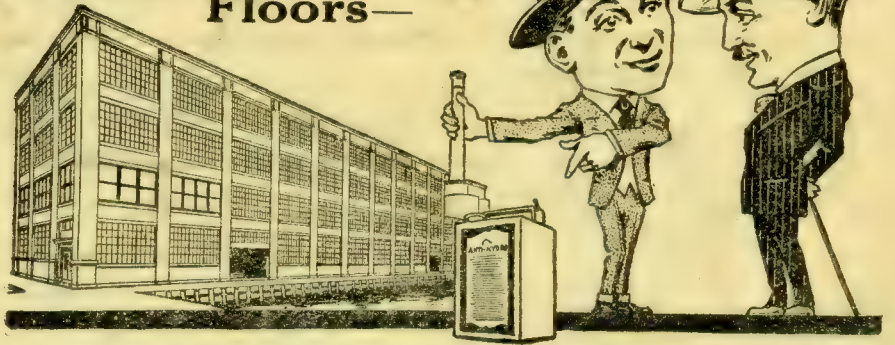
Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

Acids Do Not Harm these Concrete Floors—



L. A. Dreyfus Building, Rosebank, Staten Island, N. Y.

Turner Cons't. Co., E. grs & Contrs.

They're Protected with "ANTI-HYDRO"

The concrete floors in this building are constantly covered with
acids and water which would quickly deteriorate them if they were not
hardened and waterproofed with "ANTI-HYDRO."

Although these floors have been in constant use for many years,
"ANTI-HYDRO" has fully protected them from wear, water and the
action of the acids.

"ANTI-HYDRO" is a liquid integral agent that mixes easily with
the gauging water—no skilled labor is required. It hardens and water-
proofs concrete and makes it acid, alkali and oil-resisting all in *one*
operation.

For 23 years "ANTI-HYDRO" has been the accepted standard. Re-
sults are *guaranteed permanent*. Use "ANTI-HYDRO" on your next job.

ANTI-HYDRO WATERPROOFING CO.

265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.

TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 36
September 7, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Stucco

"P. G." Hardwall

"P. G." Wood Fibred Plaster

"P. G." Plaster of Paris

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Roof Tile

"Gyproc" Wall Board

"Gyproc" Joint Filler

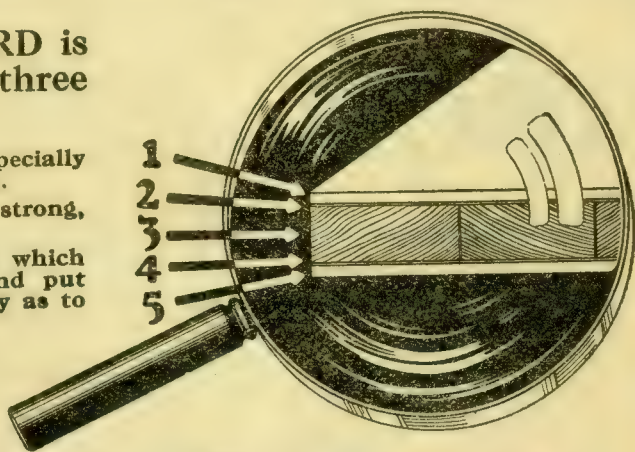
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT

PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

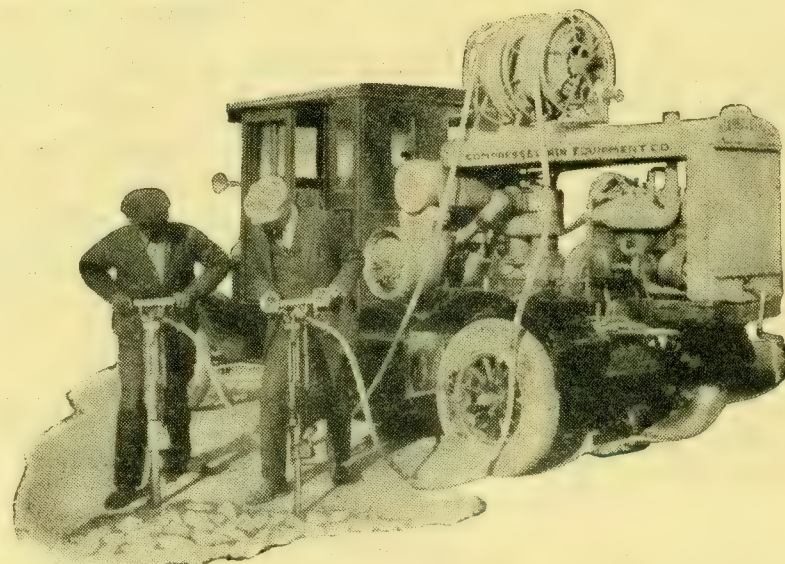
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

FABRICATED STEEL IRON BARS

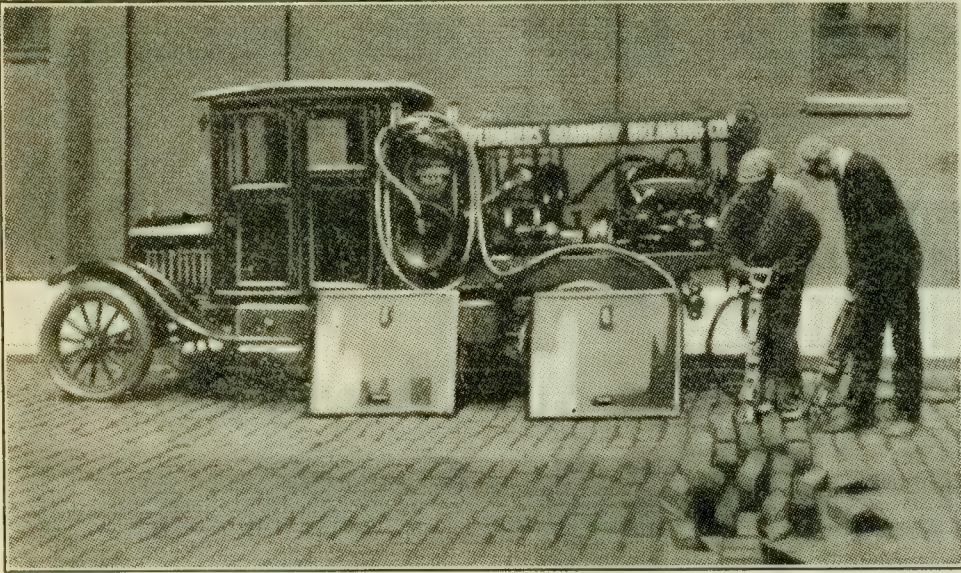
RICHARD DeCOU CO.

Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE
**Street Openings
By Newest and Easiest Method**

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

**Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries**

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES :

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

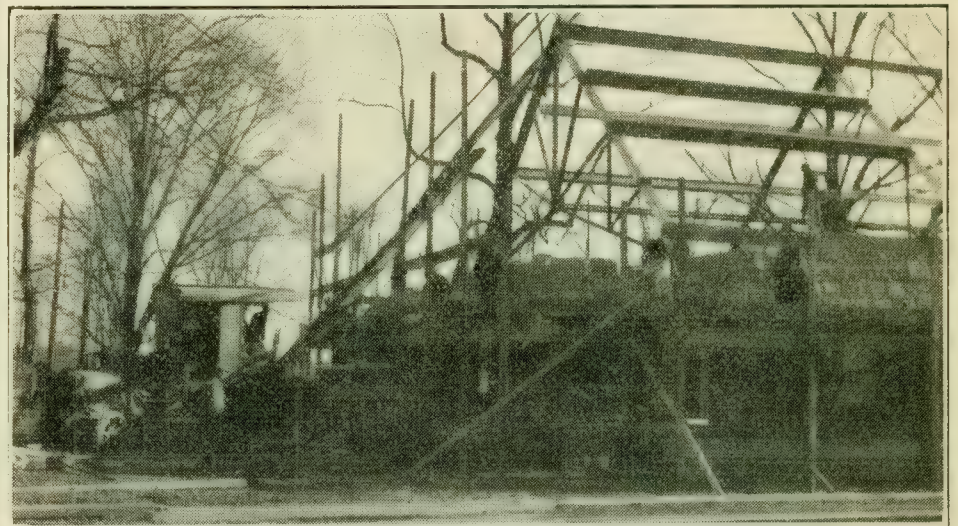
PHILADELPHIA

Jefferson 6800

East 7785

**Excavating
Steel Erecting**

**Trench Work
Car Unloading**


CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

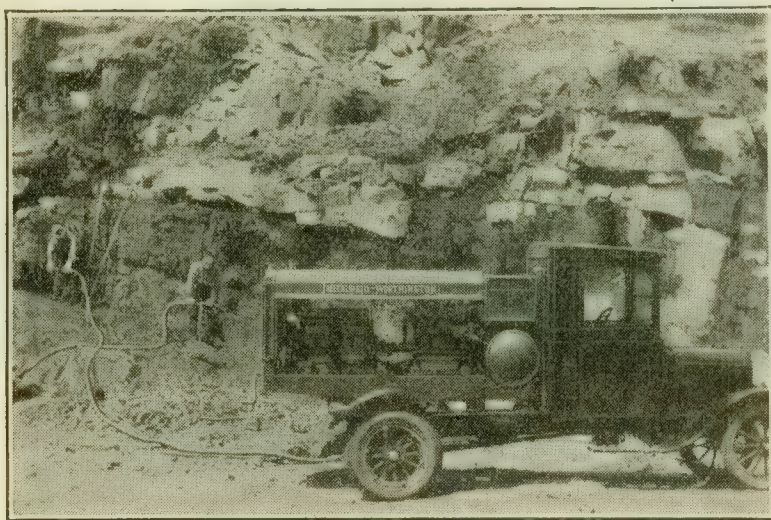
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone: Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 36

PHILADELPHIA
September 7, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

School, Southeast Corner Tabor and Foulk-
rod streets, Philadelphia. Owners, Board of
Education, Nineteenth above Chestnut street,
Philadelphia. Work contemplated.

School Building and Convent Building,
Thirty-eighth and Chestnut street, Philadel-
phia. Architects, Hoffman-Henon, Finance
Building, Philadelphia. Owners, St. James'
Roman Catholic Church, Rev. D. Cardinal
Dougherty, Eighteenth and Summer streets,
and Dr. Ross, Thirty-ninth and Chestnut
streets, Philadelphia, Pa. Work contem-
plated.

Stores and Apartments (7), Southeast Cor-
ner Forty-first and Market streets, Philadel-
phia. Architect, J. S. C. Fernald, 5533 Wya-
lusing avenue, Philadelphia. Owner, W. F.
Fleming, 4411 Baltimore avenue, Philadel-
phia. Brick, 3 stories, irregular in size, hot
water heat, electric light, hardwood floors,
tile work, metal bulks, plate glass. Plans in
progress. Will be ready for bids in three
weeks.

Factory, York and Jasper streets, Philadel-
phia. Architect, H. M. Wilson, People's Bank
Building, Philadelphia. Owners, Penn Wor-
sted Co., on premises. Brick, 5 stories. Plans
about completed. Will be ready for bids in
ten days.

High School, Tenth, Lycoming and Luzerne
streets, Philadelphia. Architects, Hoffman-
Henon, Finance Building, Philadelphia. Own-
ers, Archdiocese of Philadelphia, D. Cardinal
Dougherty, Eighteenth and Summer streets,
Philadelphia. Brick, steel, 4 stories and base-

ment, 320x220 feet. Ready for bids in three
weeks.

Home (alts. and add.), 6713 Woodland ave-
nue, Philadelphia. Architects, Stewardson &
Page, 315 South Fifteenth street, Philadel-
phia. Owners, Chapin Memorial Home for
the Aged Blind, on premises. Stone, brick,
cut stone, steel and iron work, concrete and
cement work, kalamein and fire doors, car-
pentry and mill work, hardware, plastering,
plumbing, wrought iron pipe, electric work,
painting, glazing, bond, membrane water-
proofing, cement floors, metal lath, Barrett
specification roof, pine floors, hot water heat,
2 stories and basement, 33x50 feet. Archi-
tects taking bids due September 8th.

Bayuk Cigar Factory (add.), Ninth and
Columbia avenue, Philadelphia. Architect, Al-
fred Freeman, 29 West Thirty-fourth street,
New York. Owners, Columbia Realty Corp.,
Ninth and Columbia avenue, Philadelphia.
Brick, reinforced concrete, limestone, steel,
granite, 8 stories and basement, 119x125 feet,
Barrett Specification roof, cement floors, ter-
razzo work, hollow metal sash, rolled steel
skylights, kalamein doors, bond, floor hard-
ener, iron stairs, ornamental iron work,
bronze work, cork insulation. Architect tak-
ing bids due September 13th.

Laundry Building (alts.), Roosevelt Boule-
vard and Langdon street, Philadelphia. Ar-
chitects, Morris & Erskine, 1716 Cherry
street, Philadelphia. Owners, Friends' Asy-
lum for Insane, on premises. Carpentry and
mill work, brick work, stone work, concrete

work. Architects taking bids due as soon as
possible.

Contract No. 181, Broad Street Subway,
Philadelphia. Owners, Department of City
Transit, 1211 Chestnut street, Philadelphia.
Owners taking bids due September 20th, 11
A. M. (Standard Time). Certified check, 5
per cent. Deposit, \$50, refunded, for finish-
ing of Race-Vine, Spring Garden, Fairmount
and Girard Stations.

Church (alts.), location withheld. Archi-
tect, Peter F. Getz, Victory Building, Phila-
delphia. Owner, D. Cardinal Dougherty,
Eighteenth and Summer streets, Philadelphia.
Alterations to sanctuary, tile and marble
work, leaded glass. Architect will soon take
bids.

Parsonage and Sunday School, Luzerne and
C streets, Philadelphia. Architects, Seeburger
& Rabenold, 1524 Chestnut street, Philadel-
phia. Owners, Nazareth Evangelical Luther-
an Church, on premises. Stone, 2 stories and
basement, 48x30 feet, 50x62 feet, slate roof,
pine and cement floors, metal lath, bond, or-
namental iron work. Architects taking bids
due September 10th.

Alterations, 519 Arch street, Philadelphia.
Architects, Folsom, Stanton & Graham, 10
South Eighteenth street Philadelphia. Own-
ers, McArde & Cooney, 519 Arch street, Phila-
delphia. Plastering, structural steel, paint-
ing, glazing, slag roof metal lath, kalamein
doors. Architects taking bids due September
8th.

Residences (44), East and West side Wey-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.
1729-31 Sansom Street, Philadelphia
BELL PHONE, RITTENHOUSE 7530
KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

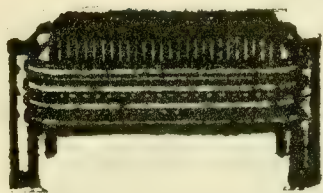
**Structural
Steel**

ROBT. B. LEDERLE & Co.
ENGINEERS AND CONTRACTORS
WITHERSPOON BUILDING
PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

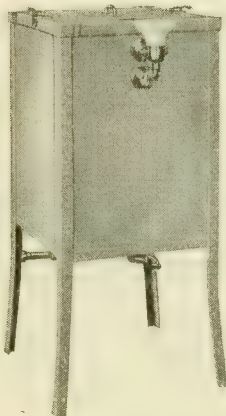


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

mouth street, North of Van Kirk street, \$200,000. Architect, private plans. Owner, David Sloan, 815 East Cheltenham avenue, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 29 feet, 12x14 feet, slag roof, pine floors, electric light. Permit issued.

Residences (31), Mereshon street, North of Robbins street, Philadelphia, \$102,300. Architect, private plans. Owner, Max Toskin, 2246 South Sixty-sixth street, Philadelphia. Brick, 2 stories, 15 feet 10 inches x 38 feet, slag roof, pine floors, electric light. Permit issued.

Residences (18), Howell street, East and West of Weymouth street, Philadelphia, \$82,000. Architect, private plans. Owner, David Sloan, 815 East Cheltenham avenue, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 29 feet, 12x14 feet, slag roof, pine floors, electric light. Permit issued.

Residences (62), Dorel street, West of Sixty-seventh street, Philadelphia, \$250,000. Architect, private plans. Owners, Gillingham & Hynes, 1601 South Sixtieth street, Philadelphia. Brick, 3 stories, 16x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (6), Cottman and Ditman streets, Philadelphia, \$31,000. Architect, private plans. Owner, Herman Gercke, 4732 Princeton avenue, Philadelphia. Brick, 2 stories, 14 feet 9 inches x 18 feet 6 inches, 10 feet 9 inches x 10 feet 6 inches, and 12x8 feet, 16x39 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (32), East side Mereshon street, South of Robbins avenue, Philadelphia, \$105,800. Architect, private plans. Owners, Mereshon Homes, Inc., 3903 Poplar street, Philadelphia. Brick, 2 stories, 15x37 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), North side Grenia street, West of Bean street, \$14,000. Architect, private plans. Owner, A. Charles Strong, 515 North Fifty-fifth street, Philadelphia. Frame, 2 stories, 22x26 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Boiler House, West side Tulip street, North of Allegheny avenue, \$5,000. Owner, J. M. Anderson, 600 Schuylkill avenue, Philadelphia. Brick, 1 story, 47x50 feet. Permit issued.

Residences (32), South side Hale street, East of Brons avenue, Philadelphia, \$120,000. Architects, private plans. Owners, Brons Const. Co., 502 Fox Building, Philadelphia. Brick, 2 stories, 15x27 feet, 9x10 feet, slag roof, pine floors, electric light. Permit issued.

Residences (14), 3448-74 Queen street, Phil-

adelphia, \$63,000. **Residences (5)**, Henry avenue, North of Ainslie street, Philadelphia, \$21,000. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x26 feet, 10x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), North side Seventy-fifth avenue, West of Ogontz avenue, \$45,000. Architect, private plans. Owner, Raymond Rafferty, 4128 North Broad street, Philadelphia. Brick, 2 stories, 15x28 feet, 11x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence (add. and alts.), 1802 Church Lane, Philadelphia, \$5,000. Architect, private plans. Owner, Joseph J. Schellberg, 8051 Ogontz avenue, Philadelphia. Brick, 3 stories add., 13x30 feet, general alterations. Permit issued.

Residence, South side Griffith street, West of Horrocks street, Philadelphia, \$4,000. Architect, private plans. Owner, Harry A. Epp, 4503 Edgemont street, Philadelphia. Concrete block, 2 stories, 17x37 feet, pine floors, hot water heat, electric light. Permit issued.

Bridge, line of Sixty-first street, over Chester Branch of Philadelphia & Reading Railroad. Owners, Department of Public Works, Bureau of Engineering, Philadelphia. Low bidders: G. F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$174,343.70.

Miscellaneous Work, Philadelphia. Low bidders: Grading and paving. Owners, Department of Public Works, Bureau of Highways, City Hall. Bigler and other streets, McNichol Paving & Const. Co., 1923 Cherry street, Philadelphia, \$26,483.60. F street, Roosevelt Boulevard and Ruscomb street, D. Duffin, M and Powdermill road, Philadelphia, \$2,657.16. High street and Mechanic street, James F. Malley, 2133 Pacific street, Philadelphia, \$3,288.80. Spring Garden street, Brown to Twenty-second street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$33,882.73. Springfield avenue, Forty-fifth street to Forty-sixth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$7,568. Buttonwood street, Broad to Thirteenth streets, C. G. Centrone, Bailey Building, Philadelphia, \$5,790.20. Margaret street, Frankford to Milnor street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$27,942.20. Poplar street, Tenth to Broad street, C. G. Centrone, Bailey Building, Philadelphia, \$18,410.15. Eighth street, Spring Garden to Columbia, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$60,594.48. Eighth street, Columbia avenue to Germantown avenue, Union Paving

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

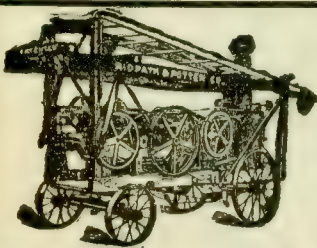
VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.

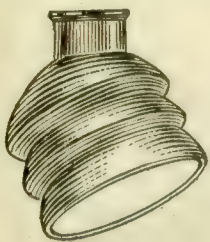


You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Co., Thirtieth and Locust streets, Philadelphia, \$38,549.61. Eighth street, South, Pine, Spruce, Walnut streets, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$20,443.88. Eleventh street, York to Cambria, Glenwood, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$35,883.08. Allen street, Bath to Victoria, Municipal Paving Co., Second and Wingohocking streets, \$32,925.35. City Line avenue, Fifty-fourth to point 750 feet, McNichol Paving & Const. Co., 1923 Cherry street, \$6,499.55.

Branch Sewers, Inlets and Lateralis, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Owner taking bids due Sept. 14th, 11 A. M. (S. T.), Certified check, 5%.

Residence and Garage, Allen Lane between Green and McCallum St., Phila. Architect, John J. Keys, Otis Building, Phila. Owner, Frank H. Goldey, care of architect. Architect taking bids due September 12th.

Maternity Building, Corinthian and Girard avenue, Phila. Architects, Thomas, Martin and Kirkpatrick, 220 S. 16th street, Phila. Owner, Lankenau Hospital, on premises. Reinforced concrete, brick, steel, cut stone, 3 stories and basement, 45x120 feet, built up and tile roof, cement floors, hollow tile, elevators, waterproofing, architectural terra cotta, hollow metal doors, rolled steel sash and skylights, tile, marble and terrazzo work, metal lath, soundproofing, dumbwaiters, linoleum, rubber tile floors. Architects taking bids due Sept. 22d.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Apartment House, 2027-35 Locust street, Philadelphia, \$1,000,000. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Charles J. McIlvaine, Jr., care of architect. Reinforced concrete, brick, steel, cut stone, granite, 21 stories and basement and pent house, 85x55 feet, slag roof, cement floors, elevators, plumbing, metal weather strip, membrane waterproofing, dampproofing, architectural terra cotta, wrought iron pipe, ornamental iron work, iron stairs, gypsum partitions, travertine work, cork floors, linoleum floors, hollow metal doors, rolled steel sash, marble and tile work, metal lath, vacuum heat, electric light. Contract awarded Roberts & Roller, 1700 Walnut street, Philadelphia.

Alterations and Additions, Southwest Corner Twentieth and Brandywine streets, Philadelphia. Architect, A. L. Nicholson, 428 Schaff Building, Philadelphia. Owners, Gospel Tabernacle of Christian and Missionary Alliance, on premises. Brick work, cut stone, stone work, steel and iron work, plastering, carpentry, mill work, cabinet work, slag roof, sheet metal work, hardware, tile, painting, glazing, plumbing (heating and electric reserved). Contract awarded George H. Evans, 1416 Vine street, Philadelphia, not signed.

Residence (alts.), 2105 Spruce street, Philadelphia, \$12,880. Architect, Ralph E. White, Pennsylvania Building, Philadelphia. Owner, Mrs. Stanley Hurlbert, on premises. Brick work, cut stone, carpentry and mill work, oak

floors, tile and marble work, plastering, iron work, skylights, linoleum, heating alterations, electric work, painting, glazing, hardware. Contract awarded H. C. Dahl, 231 South Eighth street, Philadelphia.

Alterations, fourth floor, Northeast Corner Sixteenth and Walnut streets, Philadelphia, \$5,000. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Brown Brothers, on premises. Gypsum partitions, cement floors, plastering, carpentry and mill work, painting. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Apartment House, 3213-19 North Seventeenth street, Philadelphia, \$190,000. Architect, private plans. Owner, W. J. Carlisle, 1405 Tioga street, Philadelphia. Brick, 3 stories, 30x193 feet, 80x30 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Contract awarded to M. P. Wells, 3229 North Seventeenth street, Philadelphia.

Residence, North side Red Lion road, North of Bristol avenue, \$14,000. Architect, private plans. Owners, Crestmont Farms, Torresdale, Philadelphia. Frame, 3 stories, 28x33 feet, 22x20 feet, hot water heat, electric light, tile work, hardwood and pine floors. Contract awarded to H. L. Watson, Stanwood and Ferndale avenue, Philadelphia.

Store (add. and alts.), 1238 South street, Philadelphia, \$5,200. Architect, private plans. Owner, B. Foxstein, 4224 Parkside avenue,

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Philadelphia. Brick, 2 stories add., 16x23 feet, 10x3 feet, general alterations. Contract awarded to N. H. Rochelle, Mascher and Wellens avenue, Philadelphia.

Residence and Store (add.), 3225 Frankford avenue, Philadelphia, \$3,000. Architect, private plans. Owner, George I. Ebert, 28 East Mt. Pleasant avenue, Philadelphia. Brick, 1 story add., 35x16 feet. Contract awarded M. O. Sundelius, 6344 Sherman street, Philadelphia.

Service Station, Southeast Corner Farragut Terrace and Chestnut street, Philadelphia, \$7,000. Owner, Charles Kahn, Morris Building, Philadelphia. Brick, 1 story, 60x65 feet, slag roof, cement floors. Contract awarded to J. L. Fawley Co., 1615 Spruce street, Philadelphia.

Residences (2), Alicia street, North of Hoffnagle street, Philadelphia, \$7,000. Architect, private plans. Owner, J. A. Bocher, 7862 Oxford avenue, Philadelphia. Brick, 2 stories, 16x26 feet, 1 story, 16x8 feet, slag roof. Contract awarded to H. W. Myers, 638 Solly avenue, Philadelphia.

Residence and Store (add. and alts.), 1237 South street, Philadelphia, \$6,775. Architect, private plans. Owner, Leah Silverstein, on premises. Brick, 1 story add., 10 feet 6 inches x 16 feet, general alterations. Contract awarded to Laib Rubin, 421 Jackson street, Philadelphia.

Service Station, Northwest Corner Torresdale avenue and Margaret street, \$5,500. Owners, Samuel Willig, North American Building, Philadelphia. Brick, 1 story, irregular size, slag roof, cement floors. Contract awarded to L. Davidson, 1907 North American Building.

Garage (add.), 512 West Allen's Lane, Philadelphia, \$3,500. Architect, private plans. Owner, P. O. Gaskill, on premises. Brick, 1 story add. Contract awarded to R. C. Borthwick, 6511 Woodstock street.

Residence and Store (add.), 6224 Race street, Philadelphia, \$3,000. Architect, private plans. Owner, J. Polselli, on premises. Brick, 2 stories, 12x14 feet. Contract awarded to S. Tosea, 931 Ernest street, Philadelphia.

Residence (alts.), 1400 South Fifth street, Philadelphia. Architect, private plans. Owner, H. Trager, 1400 South Fifth street, Philadelphia. General alterations. Contract awarded C. G. Green, 1705 North Ninth street, Philadelphia.

Apartment House, West side Ogontz avenue, North of Kemble street, Philadelphia, \$95,000. Architect, private plans. Owner, Samuel J. Brown, 840 Jackson street, Philadelphia. Brick, 4 stories, 43x80 feet, 43x43 feet, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Contract awarded to M. Abramson, 840 Jackson street, Philadelphia.

Apartment House, Northwest Corner Kemble street and Ogontz avenue, \$80,000. Architect, private plans. Owner, Samuel J. Brown, 840 Jackson street, Philadelphia. Brick, 4 stories, 61x32 feet, 42x83 feet, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Contract awarded to M. Abramson, 840 Jackson street, Philadelphia.

Residences (4), South side Foster street, West of Evans street, Philadelphia, \$20,000. Owners, Fox Chase Bank, Second and Rhawn streets, Philadelphia. Brick, 2 stories, 16x38

feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Geiger & Son, 4657 James street, Philadelphia.

Stores, Southeast Corner Sixty-eighth and Elmwood avenue, Philadelphia, \$10,500. Architect, private plans. Owner, Joseph Bass, 2501 South Sixty-eighth street, Philadelphia. Brick, 2 stories, 16 feet 8 inches x 62 feet, 16 feet 8 inches x 9 feet, slag roof. Contract awarded to Edward M. Canny, Sixty-first and Sansom streets, Philadelphia.

Barn (add.), Northwest Corner McCallum street and Mermaid Lane, Philadelphia, \$6,000. Architect, private plans. Owner, Mrs. C. W. Henry, on premises. Brick, 1 story add., 10x86 feet. Contract awarded to William J. Gruhler Co., 219 East High street, Philadelphia.

Warehouse, 4306 North Seventh street, Philadelphia, \$3,000. Architect, private plans. Owner, O. J. Wiser, 3101 North Sixteenth street, Philadelphia. Brick, 1 story, 34x70 feet. Contract awarded to United Const. Co., 1909 North Sixth street.

Residence (add.), 2878 South Fifteenth street, Philadelphia, \$3,000. Architect, private plans. Owner, Charles Haines, on premises. Brick, third story add., 18x41 feet 9 inches. Contract awarded to J. Franklin Moss, 6225 Lancaster avenue, Philadelphia.

Miscellaneous Paving Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Jefferson street, Fifty-second to Fifty-third street, Union Paving Co., Thirtieth and Locust streets, Philadelphia. Fifty-second street, Lancaster to Parkside, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$18,746.55. Paving alleys, J. J. McHugh, 1617 Race street, Philadelphia, \$5,750.60. Second District, M. & J. B. McHugh, 892 North Markoe street, \$5,731.44. Improvement, Elmwood Park, G. F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$12,300. Market street, Fortieth to Fifty-fourth, Union Paving Co., Thirtieth and Locust streets, \$37,309.28. Loudon, Union Paving Co., Thirtieth and Locust streets, \$20,173.94. Sedgwick, Union Paving Co., Thirtieth and Locust streets, \$5,788.20. Sixty-fifth avenue, Union Paving Co., Thirtieth and Locust streets, \$10,194. Sixty-fifth street, Union Paving Co., Thirtieth and Locust streets, \$13,556.70. Wayne, Eastern Asphalt Co., Pennsylvania Building, \$44,879.50. Germantown avenue, J. Salvuci, Philadelphia, \$30,965. Walnut, Eastern Asphalt Co., Pennsylvania Building, \$34,928.48. Fifth street,

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

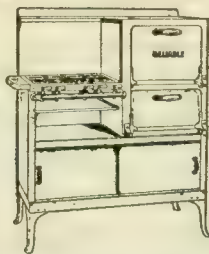
for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy



THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

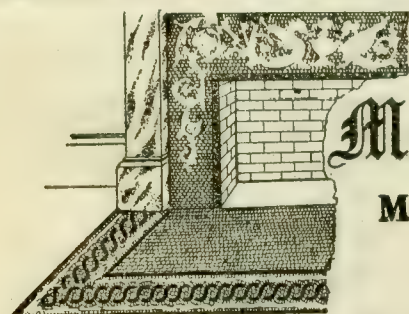
Ber
19 W

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS

1530 CHESTNUT STREET . PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH

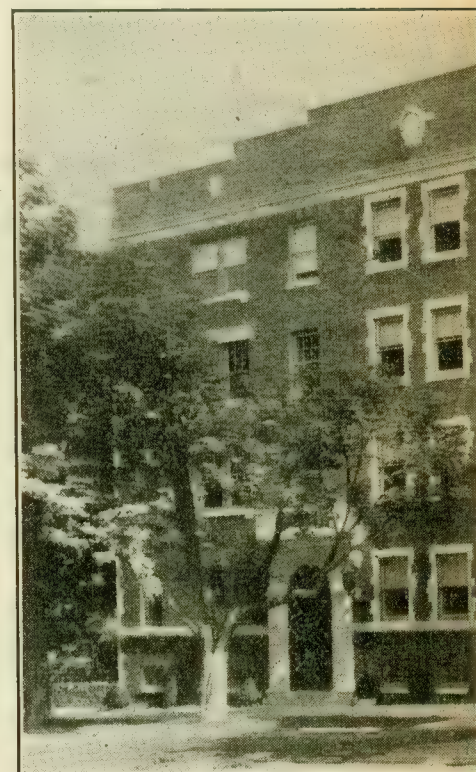
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex loo

EDS

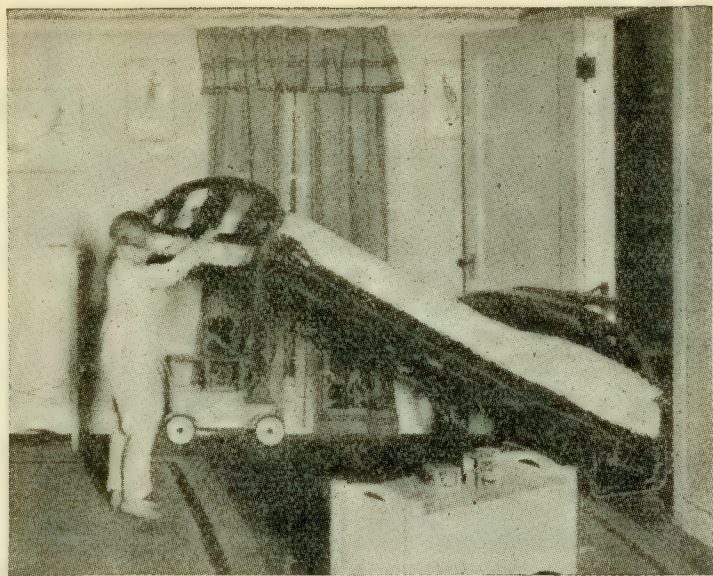
mes
ings

call at our
in kitchen
boards as
beds

CO.

y Building
44th Street
v York

BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX

faces

ks are beginning to show,
Truscon STONETEX.

d the concrete is spalling
opped by the application

it prevent moisture
so covers the surface
s flat. It does not
masonry.



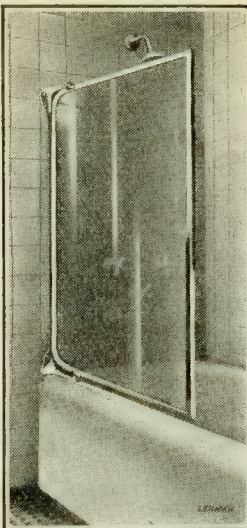
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

**AMERICAN
ALL-METAL WEATHER STRIPS**

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

**MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

**Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile**

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Eastern Asphalt Co., Pennsylvania Building, \$52,718.88. Front, Eastern Asphalt Co., Pennsylvania Building, \$19,814.70. Ohlerock,

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia

N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Eastern Asphalt Co., Pennsylvania Building, \$5,082.48. Clearview, Eastern Asphalt Co., Pennsylvania Building, \$7,591.56. Valley, Eastern Asphalt Co., Pennsylvania Building, \$7,563.35. Wheatshaf Lane, Eastern Asphalt Co., Pennsylvania Building, \$5,069. Ditman street, Union Paving Co., Thirtieth and Locust streets, \$21,075.50.

Pennsylvania Construction News

School, Audubon, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, School Board of Lower Providence, Mrs. J. Sloan, Eaglesville, Pa. Brick, 1 story. Plans in progress.

Group of Buildings, Bethlehem, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Phoebe Deaconess' Home, care of Rev. Moyer, Bethlehem, Pa. Fireproof construction. Architects selected.

Bank Building, Prospect Park, Pa. Owners, Committee, care of Herbert S. White, Thirteenth avenue, Prospect Park, Pa. Work contemplated.

Sunday School, Coatesville, Pa. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Olivet Methodist Episcopal Church, Rev. F. J. Andrus, Coatesville, Pa. Stone, 2 stories. Plans in progress.

Residence, Copperstown road, Haverford, Pa. Architect, not yet selected. Owner, L. A. Warne, 227 North Fifty-second street, Philadelphia. Work contemplated.

Residence, Merion Golf Manor, Pa. Architect, John Charles Norton, Ardmore, Pa. Owner, name withheld. Cinder block, frame, plaster, 2½ stories, 32x43 feet, 18x22 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans completed. Owner will build and is taking sub-bids, care of the architect.

Residence, Lakeside, Mahanoy City, Pa. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, John Southall, Mahanoy City, Pa. Brick, frame, 2½ stories, 28x32 feet, asbestos roof, pine floors, plumbing, hot water heat, electric light. Owner taking bids.

Residence, Lansdale, Pa. Architects, Franklin & Conover, Otis Building, Philadelphia. Owner, Dr. H. T. Moyer, Lansdale, Pa. Brick, stucco, 2 stories, 50x40 feet, irregular, variegated Vermont slate roof, hardwood floors, hot water heat, electric light, tile work. Architects taking sub-bids.

Residences (35), Breywall Lane, Overbrook Hills in Merion, Merion, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia.

phia. Owners, McWilliams & Maloney, City Line and Lancaster road. Brick, frame, stone, stucco, 2½ stories, 18x55 feet, various sizes, hardwood floors, wood shingle roof, central heat, electric light, tile work. Plans about completed. Ready for sub-bids.

Infirmery, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Pennsylvania State College, State College, Pa. Brick, 3 stories. Plans about completed. Ready for bids in two weeks.

School, Southampton, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Board of Education, Mrs. J. W. Noble, Southampton, Pa. Brick, hollow tile, 2 stories, 4 rooms, unit system heat, electric light, slag roof, maple floors, steel work, ventilators, stone work. Owners taking bids due September 16th.

Residence (alts.), Jenkintown, Pa. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Barclay Warburton, Sr., on premises. Electric light, tile roof, oak and pine floors, painting, glazing, plastering. Architect taking bids due September 9th.

Warehouse, Allentown, Pa. Architect, David Levy, 25 North Sixth street, Allentown, Pa. Owners, Prince Furniture Co., 520 Hamilton street, Allentown, Pa. Brick, steel, 2½ stories, 47x90 feet, slag roof, wood floors, electric light, steel sash, cast stone. Architect taking bids due September 8th.

Church, Holsopple, Pa. Architects, C. W. Bolton & Son, 1505 Race street, Philadelphia. Owners, Christ's Reformed Church, Rev. A. Reifsnnyder, Holsopple, Pa. Brick, 1 story. Owners taking bids.

Residence, Perkasio, Pa. Architect, A. Oscar Martin, Doflestown, Pa. Owner, Mark B. Thatcher, Perkasio, Pa. Hollow tile, concrete, stucco, 2½ stories, 22x45 feet, 18x22 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Architect taking bids due September 9th.

Temporary Building, Capitol Park Extension, Harrisburg, Pa. Owners, Department of Property and Supplies, B. E. Taylor, Harrisburg, Pa. Deposit, \$10, refunded. Owners taking bids due September 21st, 11 A. M. (Standard Time), for construction of building and plumbing. Also for high pressure boiler in Capitol power plant, furnish and install high pressure water tube boiler with super heat chain brake, soot blower, steam spec., etc.

Sectional School Building, Yeadon, Pa. Owners, Borough of Yeadon, G. R. Anderson, Yeadon, Pa. Two-room, building wall of concrete block, building two chimneys with 16-inch square T. C. flue lining, furnish and install two approved school heaters. Owners taking bids due September 8th, 7 P. M. (Standard Time).

Repairs to Boilers No. 1 and No. 2, Lincoln School, Norristown, Pa. Owners, Board of Education, H. R. Kratz, Norristown, Pa. Certified check, 5 per cent. Owners taking bid due September 16th.

Junior and Senior High School, Highland avenue, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, School Board, F. S. Underhill, 112 North Broad street, Philadelphia. Brick, reinforced concrete, steel, limestone, 2 stories and basement, 80x390 feet, wing 127x119 feet. Low bidders: P. H. Kelly, 1713 Sansom street, Philadelphia, \$379,000; John McShain, 1713 Sansom street, Philadelphia, \$380,987; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$30,144.

Armory, Carbondale, Pa. Architect, Raymond E. Tiffany, M. and M. Building, Carbondale, Pa. Owners, State of Pennsylvania, Brigadier General Demming, Harrisburg, Pa.

Brick, limestone, steel, 1 story and basement, 68x121 feet. Low bidders: F. K. Worley Const. Co., Wesley Building, Philadelphia, \$71,658; Briggs Brothers, Scranton, Pa., \$74,500.

Laying Curb, Yeadon School, Yeadon, Pa. Owners, Board of Education, G. R. Anderson, Yeadon, Pa. Along eastern end of school plot. Owners taking bids due September 8th, 7P. M. (Standard Time).

School No. 42 (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Bldg., Scranton, Pa. Owners, Scranton School Board, 425 N. Washington Ave., Scranton, Pa. Brick, steel, 2 stories, 8 rooms, built-up roof, maple floors, safety treads, roof ventilators, water and dampproofing, iron stairs, bond, fire doors (heating, plumbing and electric work separate). Owners taking bids due Sept. 12th.

Residence, Upper Darby, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Owner, Mr. A. T. Elder, Upper Darby, Pa. Preliminary plans drawn.

Pennsylvania

Contracts Awarded

Office Building, near Baldwin Station, Ed-dystone, Pa. Architect, private plans. Owners, Baldwin Locomotive Works, Broad and Spring Garden streets, Philadelphia. Brick, steel, reinforced concrete, granite, 8 stories and basement, pent house, 106x46 feet, 157x53 feet, steam heat, electric light, marble and terrazzo work, rolled steel sash, fire doors, floor hardener, wrought iron pipe, bronze work, soundproofing, sani-onyx, tile roof, gypsum roof, maple and composition floors, hollow tile, elevators, plumbing, integral waterproofing, dampproofing, architectural terra cotta. Contract awarded Turner Const. Co., 1700 Walnut street, Philadelphia.

Residence and Garage, Haverford Road, E. of Lansdowne avenue, Yeadon, Delaware County, Pa. Architect, Wesley Lesher Blythe, Public Ledger Building, Philadelphia. Owner, Alexander Wilson, Jr., 5156 Haverford road, Philadelphia. Stone, limestone, 2½ stories and basement, 58x53 feet, slag and shingle roof, cement, oak and pine floors, or-

namental iron work, bond, tile and marble work, metal lath (heating, plumbing, electric reserved), canvas floors. Contract awarded J. E. Kearney, Wynnewood, Pa.

Office Building, Carlisle, Pa. Architect, private plans. Owner, C. H. Masland, Carlisle, Pa. Brick, steel, 2 stories and basement, 44x22 feet, slag roof, cement, linoleum floors, electric light, iron stairs, ornamental iron work. Contract awarded Irvin S. Grindrod, 10 South Eighteenth street, Philadelphia.

County Jail (alts. and repairs), Clearfield, Pa. Architect, W. H. Overdorf, Dubois, Pa. Owners, Commissioners of Clearfield County, Clearfield, Pa. Brick work, slag roof, plastering, painting, glazing, hardware, linoleum floors, plumbing, heating alterations, dumb waiter, iron work, carpentry, mill work, metal lath. Contract awarded F. K. Worley Const. Co., Wesley Building, Philadelphia.

Store Building, Lancaster avenue, Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner Harry J. Rittenhouse, 301 North Fifty-third street, Philadelphia. Brick, limestone, steel, 1 story, basement and mezzanine, irregular in size, slag and tile roof, maple and cement floors, ornamental iron, bond, metal lath, electric light, gas steam heat. Contract awarded J. H. Dawson, Folcroft, Pa.

School Building, Delmar Township, Tioga County, Pa. Architect, Henry L. Reinhold,

Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Delmar Township, Pennsylvania. Four rooms. Contract awarded Asbestos Building Co., Liberty Title & Trust Building, Philadelphia.

Church (alts.), Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Moravian Church, care of architects. General interior alterations. Contract awarded W. Erwin Stump, 1358 Easton avenue, Bethlehem, Pa.

Bridge, over Schuylkill River, Hamburg, Pa. Owners, Berks County, Thomas R. Houck, Controller, Reading, Pa. Concrete, 4 spans, beam and slab approaches. Contract awarded Whittaker & Diehl, Union Trust Building, Harrisburg, Pa.

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For
BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

GENERAL CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

On the Ground When Wanted

CLAUSEN
TERRA COTTA

**FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.**

*A*N ambition to give your orders the kind of attention that will **THOROUGHLY** satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a REAL Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Bridges (3), Montgomery County, Pa. Contracts awarded. Owners, County Commissioners, Norristown, Pa. Branch Creek Bridge, Lower Salford County, E. L. Evans, Ambler, Pa., \$5,577. Cohenhoppen Creek, Lower Frederick County, I. H. Brandt, Sumneytown, Pa., \$2,450. Cohenhoppen Creek Bridge, Upper Frederick County, W. U. Kellor, Springmont, Pa., \$2,320.

Store Building (alts), 526-32 Market street, Chester, Pa. Architect, Harold Holmes, Detroit, Mich. Owners, S. S. Kresge Co., Detroit, Mich. Brickwork, concrete, cement, structural steel, iron work, sheet metal work,

carpentry, millwork, metal lath, plastering, tile and marble work, terrazzo, painting, glazing, copper, stone front, granite, metal partitions, maple floors, Celotex dumbwaiters, metal skylights, fire doors, plumbing, steam heat, electric light, ventilating, wrought iron pipe. Contract awarded W. R. Dougherty, 1608 Sansom street, Phila.

School Building, Hopewell Township, New Sheffield, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Owners, Board of Education, Hopewell Township, New Sheffield, Pa. Contract awarded Asbestos Buildings Co., Liberty Title & Trust Bldg., Phila.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Allegheny Co., R-70, 4-A, A-4358, Blawnox Boro. and O'Hara Twp., one course reinforced concrete, \$235,082.83. Contract awarded to R. H. Cunningham, Turtle Creek, Pa. Montgomery Co., R-146, Sec. 5, Pottstown Boro., West Pottsgrove Twp., one course reinforced concrete, \$71,588.19. Contract awarded McNichol Paving & Construction Co., 1932 Cherry Street, Phila. Somerset Co., A-384, Elk Lick Twp., one course reinforced concrete, \$1,429.96. Contract awarded to M. F. McCabe & Co., Fairmount, W. Va. Allegheny Co., R-70, Sec. 4, O'Hara and Harmer Twps., one course reinforced concrete, \$186,022.59. Contract awarded to Fort Pitt Construction Co., Pittsburgh, Pa. Blair Co., R-53, Hollidaysburg Boro., one course reinforced concrete, \$16,542.80. Contract awarded to David Bailey, Morrisdale, Pa.

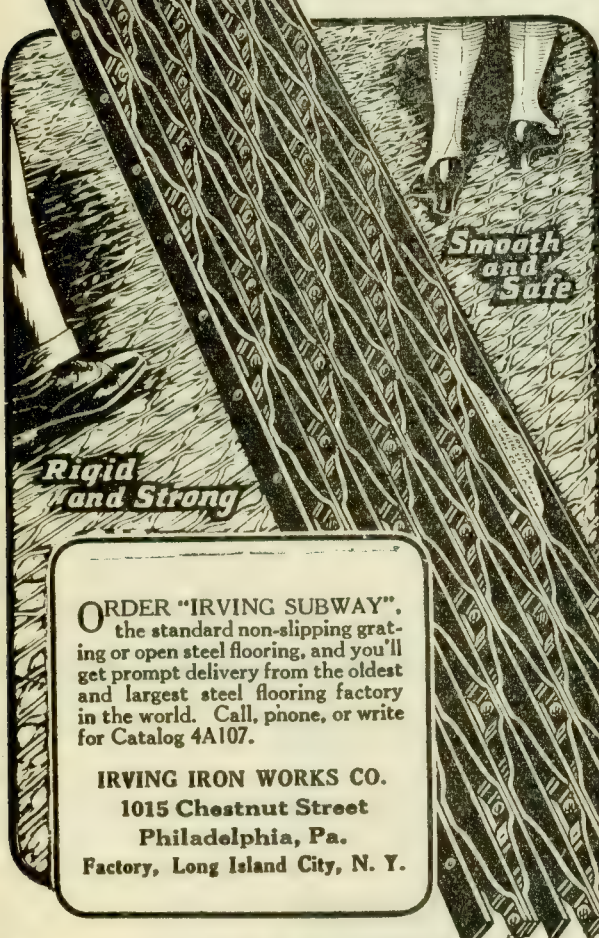
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings —*



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

New Jersey

Construction News

Municipal Hospital (alts. and add.), Pershing and Sheridan streets, Camden, N. J. Architects, Edwards & Green, Camden, N. J. General renovation and add. Plans in progress.

Cold Storage Plant, Kaighn avenue, Camden, N. J., \$2,225,000. Engineer, name withheld. Owners, Camden Rail & Harbor Terminal Corp., care of Fred Cohen, Merchantville, N. J. Reinforced concrete, steel, 9 stories, 100x250 feet, elevators, electric light. Preliminary plans in progress.

Residence (alts. and add.), Mt. Holly, N. J. Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, name withheld. General alterations, rear add., hot water heat, asbestos roof, hardwood floors, electric light. Plans in progress.

Residence (alts.) to Stores, Atlantic City, N. J. Architect, William S. Hewitt, Guarantee Trust Building, Atlantic City, N. J. Owners, Atlantic City Gas Co., Michigan and Atlantic avenues, Atlantic City, N. J. General interior alterations. Plans in progress.

Stores (5), Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, name withheld. Brick, fireproof, 1 story, 65x72 feet, slag roof, cement floors, city heat, electric light, tile and marble. Plans in progress.

High School, May's Landing, N. J., \$250,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Hamilton Township Board of Education, A. H. Smith, District Clerk,

May's Landing, N. J. Brick, steel, 3 stories, 193x140 feet, maple floors, hollow tile, safety treads (heating, plumbing, electric separate). Owners will be ready for bids next week.

Masonic Home, Trenton, N. J. Architect, Oscar Schmidt, Union Bank Building, Atlantic City, N. J. Owners, United Grand Lodge, Trenton, care of architect. Fireproof, 3 stories, 43x100 feet, slag roof, composition and wood floors, hollow tile, fire escape, ornamental iron, artificial stone, tile work, oil burners, electric light, metal lumber. Architect taking bids due September 15th.

Vocational School, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, Meyer Wessel, Camden, N. J. General construction, plumbing, heating, electric and ventilating contracts. Deposit, \$50, refunded. Certified check, 5 per cent. Bond. Owners taking revised bids due September 12th, 7.30 P. M. (Daylight Saving Time).

Memorial Building, Pleasantville, N. J. Architect, C. H. Conover, Freeman Building, Atlantic City, N. J. Owners, City of Pleasantville, West Washington avenue, Pleasantville, N. J. Owners taking revised bids.

H. A. Stees School, Beverly, N. J., \$30,000. Architect, Hubert S. Stees, Beverly, N. J. Owners, Board of Education, Beverly, N. J. Brick, 1 story and basement, 86x56 feet, 4 class rooms, recreation room. Owners taking bids due September 6th, 8 P. M.

Residence, Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owner, J. J. Gillin, Garden Pier, Atlantic City, N. J. Brick, frame, stucco, 2½ stories, 31x30 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

School Building (alts.), North Wildwood, N. J. Architects, Stackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Board of Education, North Wildwood, N. J. Interior completion of two wings for locker building. Ready for bids in a week.

Bridge, Tacony, Philadelphia to Palmyra, N. J., \$4,000,000. Engineer, Ralph Modjeski, Widener Building, Philadelphia. Owners, Tacony & Palmyra Ferry Co., care of C. A. Wight and E. G. Borer, Riverton, N. J. Plans completed.

Post Office, Millville, N. J. Architect, James A. Wetmore, Washington, D. C. Owners, United States Government, Washington, D. C. Low bidders: Walter Peterson, Omaha, Neb., No. 1, \$72,153; No. 2, \$71,500. A. M. Lundberg, St. Louis, Mo., No. 1, \$76,300; No. 2, \$75,800.

Residences and Garages (3), 2787-89-91 Yorkship road, Camden, N. J., \$12,000. Architect, private plans. Owner, Eugene Brunner, 2760 Congress road, Camden, N. J. Brick, 2 stories, 16x48 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Residences (4), 886-92 Jefferson street, Camden, N. J., \$12,000. Architect, private plans. Owner, H. Russell Bennett, R. F. D., Marlton, N. J. Brick and block, 2 stories, 15x38 feet, slag roof, pine floors, warm air heat, electric light. Permit issued.

Residence (1), Residence and Store (1), 1045-47 North Twenty-third street, Camden, N. J., \$6,000. Architect, Solomon Kaplan, 10 South Eighteenth street, Philadelphia. Owner, K. Jaffe, 547 North Seventh street, Phila-

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

delphia. Brick, 2 stories, 16x57 feet, 14x37 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (5), 1717-19-21-23-25 Pershing street, Camden, N. J., \$20,000. Owners, Costanza Brothers, 1540 Mt. Ephraim avenue, Camden, N. J. Brick, 2 stories, 18 feet 6 inches x 31 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Building (Warehouse and Garage), 18 South Twenty-sixth street, Camden, N. J., \$10,000. Architect, private plans. Owner, George Bachman, 19 North Thirtieth street, Camden, N. J. Block, 1 story, 48x84 feet 6 inches, slag roof. Permit issued.

Curbing, etc., Runnemede, N. J. Engineer, B. M. Schmucker, Runnemede, N. J. Owners, Borough of Runnemede, Runnemede, N. J. Deposit, \$5, no refund. Certified check, 10 per cent. Bond. Owners taking bids due September 12th, 8 P. M. (Daylight Saving Time). Approximately 6,043 cubic yards excavation, 30,464 square feet walks, 7,596 lineal feet curb and 2-foot gutter, 285.1 square yards intersection concrete, 176 lineal feet radius curbs, 535 drives, one No. 1 city inlet, 6 lineal feet 16-inch T. C. pipe.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 18 South, Route 20, Malaga Relocation and Grade Crossing Elimination. Owners taking bids due September 19th at 11 A. M. (Standard Time). Deposit, \$10. Certified check, 10 per cent.

Post Office Building, 529 Monmouth street, Gloucester, N. J. Architect, A. H. Moses, Camden, N. J. Owner, Caven Investment Co., care Dr. C. C. Epplenman, 23 N. Broadway, Gloucester, N. J. Remodeling residence into Post Office Building. Plans in progress.

Storm Sewer, Etc., Magnolia, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Borough of Magnolia, O. A. Hagen, Magnolia, N. J. Owners taking bids due Sept. 13th, 8 P. M. Certified check 5%. Approximately 770 feet 30 inch sewer pipe, 4 catch basins to be connected, manholes complete. Approximately 700 cubic yards excavation, 9,700 square feet sidewalks, combined gutters and curb, 13,000 lineal feet; 6 foot driveways, 4,000 square feet.

New Jersey Contracts Awarded

Apartment House, Thirty-eighth and Myrtle avenue, Camden, N. J., \$12,000. Architect, A. B. Gill, 308 Market street, Camden, N. J. Owner, Lester White, care of architect. Brick, block, 2 stories, 24x45 feet, OCarey roof, oak, pine and treadlight floors, hot water heat, electric light. Contract awarded to William G. Mummaw, 301 Morse street, Camden, N. J.

Residence, Pleasantville, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owners, Seaboard Development Co., care of architect. Frame, stucco, 2½ stories, 30x50 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to George Mumford, Pleasantville, N. J.

Residence, Pleasantville, N. J. Architect, D. A. Rosenstein, Humphreys Building, Atlantic City, N. J. Owners, Seaboard Development Co., care of architect. Frame, stucco, 2 stories, 28x45 feet, shingle roof, hardwood floors. Contract awarded to W. C. Leer, Pleasantville, N. J.

Residences and Garages (2), 20-22 South Dudley street, Camden, N. J., \$12,000. Architects, Moffett & Ergood, 104 Market street, Camden, N. J. Owner, Frank G. Hitchner, Fifth and Mickle streets, Camden, N. J. Brick, 2 stories, 18x34 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light. Contract awarded to B. F. Harvey, 1109 Empire avenue, Camden, N. J.

Church (add.), Chesapeake and Constitution road, Camden, N. J., \$5,000. Architect, private plans. Owners, Fairview Methodist Episcopal Church, on premises. Block, 1 story add., 30x32 feet, asbestos shingle roof. Contract awarded Heber B. Harvey, 413 Bailey street, Camden, N. J.

Stores and Residences, 316-22 South Third street, Camden, N. J., \$5,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owner, Edward Mattalano, care of architect. Brick and block, 2 stories, 18x63 feet, slag roof, hot water heat. Contract awarded to Vincenzo Imbesi, 2911 Congress road, Camden, N. J.

Hall and Residence, 303 Benson street, Camden, N. J., \$5,000. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owner, Edward Lattalona, care of architect. Brick, 2 stories, 22x14 feet, 22x40 feet, slag roof, hot water heat, electric light. Contract awarded Vincenzo Imbesi, 2911 Congress road, Camden, N. J.

School Building, Port Norris, N. J. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Port Norris, N. J. Contract awarded Asbestos Building Co., Liberty Title & Trust Building, Philadelphia, Pa.

Residence and Garage, Tavistock, Camden County, N. J. Architects, Lackey & Hettle, Camden, N. J. Owner, Jerome L. Hurley, Camden, N. J. Stone and terra cotta, 2½ stories, 50x30 feet, 18x22 feet, slate roof, hard-

wood floors, heating undecided, tile work, landscape, flagstone. Contract awarded Camden Const. Co., 515 Lawrence street, Camden, N. J., who are taking sub-bids.

Road Work, State of New Jersey. Owners,

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

TILE MARBLE MOSAIC CERAMICS

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof

Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

State Highway Department, A. Lee Grover, Chief Clerk, Trenton, N. J. Contracts awarded: Relocation of Route No. 1, Section No. 7A, Mercersville, Hamilton Square, Mercer County, to F. A. Canuso & Son, 804 South Twelfth street, Philadelphia, \$225,028.70. Route No. 18 North, Section No. 5, Englewood Cliffs, Alpine, Bergen County, to L. J. Groves & Son, Mt. Ephraim, N. J., \$378,216.10.

America stands supreme in the development and use of advertising, and advertising is the seed which by implanting desire produces the fruit of social advancement. Education promotes efficiency and efficiency in turn makes possible higher earning power, higher purchasing power and improved living conditions.

The Patent Scaffolding Company

**INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR
BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS**

**SWINGING SCAFFOLDS
FOR
SALE OR RENT**

2835 Bridge St., Philadelphia

**Bell, Jefferson 4501
Keystone, East 8912**

Miscellaneous Construction News

School, Delmar, Del. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, Delaware School Foundation, A. J. Taylor, Vice-Pres., 4116 DuPont Bldg., Wilmington, Del. Brick, steel, 2 stories, auditorium and basement, 181x81 feet, slag roof, pine and cement floors, ornamental iron, bond, metal lath. Lowest bidders: Hastings & Parsons, Salisbury, Md., \$143,000; W. E. Booth & Son, Salisbury, Md., \$143,800.

Road Work, Wilmington, Del. Owners, State Highway Department, Dover, Del. Owners taking bids due September 28th at 2.30 P. M. Certified check, 10 per cent. Deposit, \$2.00.

Contract 88, State Wharf at Little Creek. Timber bulkhead, (1) 10-foot span timber bridge.

Contract 4, Warren School, Sandtown, 3.33 miles. Clearing, grubbing, excavation, borrow, broken slag shoulder course, gravel surface course, cement concrete pavement, concrete, reinforcement, corrugated metal pipe, R. C. pipe.

Contract 95, Pleasant Valley School, Lincoln Highway, 2.50 miles. Clearing, grubbing, excavation, borrow, broken slag shoulder course, gravel surface course, cement concrete pavement, longitudinal metal joint, class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, relaid pipe 18 inches and under in diameter, pipe underdrain.

Restaurant Building, 127 E. 59th Street, New York City. Architects, Stueckert & Co., 1600 Arch street, Phila. Owner, Bickford Lunch System, 362 W. 50th street, New York City. Brick, steel, terra cotta, 2 stories and basement, 20x100 feet, slag roof, ceramic floors, steam heat electric light, tile and marble work, plate glass, mahogany wainscoting, cabinet work, kitchen equipment, plumbing. Architects taking bids due Sept. 7th.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

MONTHLY DIGEST NO. 81 OF CONDITIONS IN THE COMMON BRICK INDUSTRY

Prepared by the Common Brick Manufacturers' Association of America

2121 Guarantee Title Bldg., Cleveland, O.
Published August 1, 1927

Information as of July 1, 1927

The volume of construction in the United States for the first half of the year is running true to the best January forecasts. Prognostications, based upon survey of work in the architectural offices published earlier in the year, indicated a drop in volume of between ten and twelve per cent. The reports from members of the Common Brick Manufacturers' Association indicate that their plants are running ahead of the construction volume.

This is believed to be the result of a general acceptance throughout the country of the fact that the brick house actually costs very little more than homes of less enduring type, and in the long run really costs much less. The gain in the consumption of brick is largely in residential construction.

The most convincing piece of evidence that has lately been developed to prove the economy of a brick home resulted from an investigation in Denver. For the first time, as far as is recorded, competing materials united in a comparative cost survey. The lumbermen, the cement men, and brickmen, formed a committee and requested the Architects' Small House Service Bureau, affiliated with the American Institute of Architects, to conduct the investigation.

A typical bungalow 25x35 feet in size, containing five rooms and a bath, was used for the investigation. The final result showed that the solid wall brick house, using a good quality of exterior brick,

A. HUSKEY

PORTABLE

MEYER COSSOY

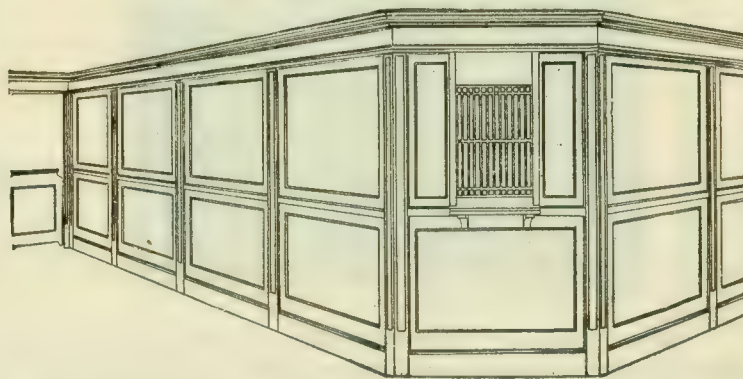
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

**STORE
FIXTURES**

FOR ALL KINDS
OF

STORES



**CABINET
WORK**

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

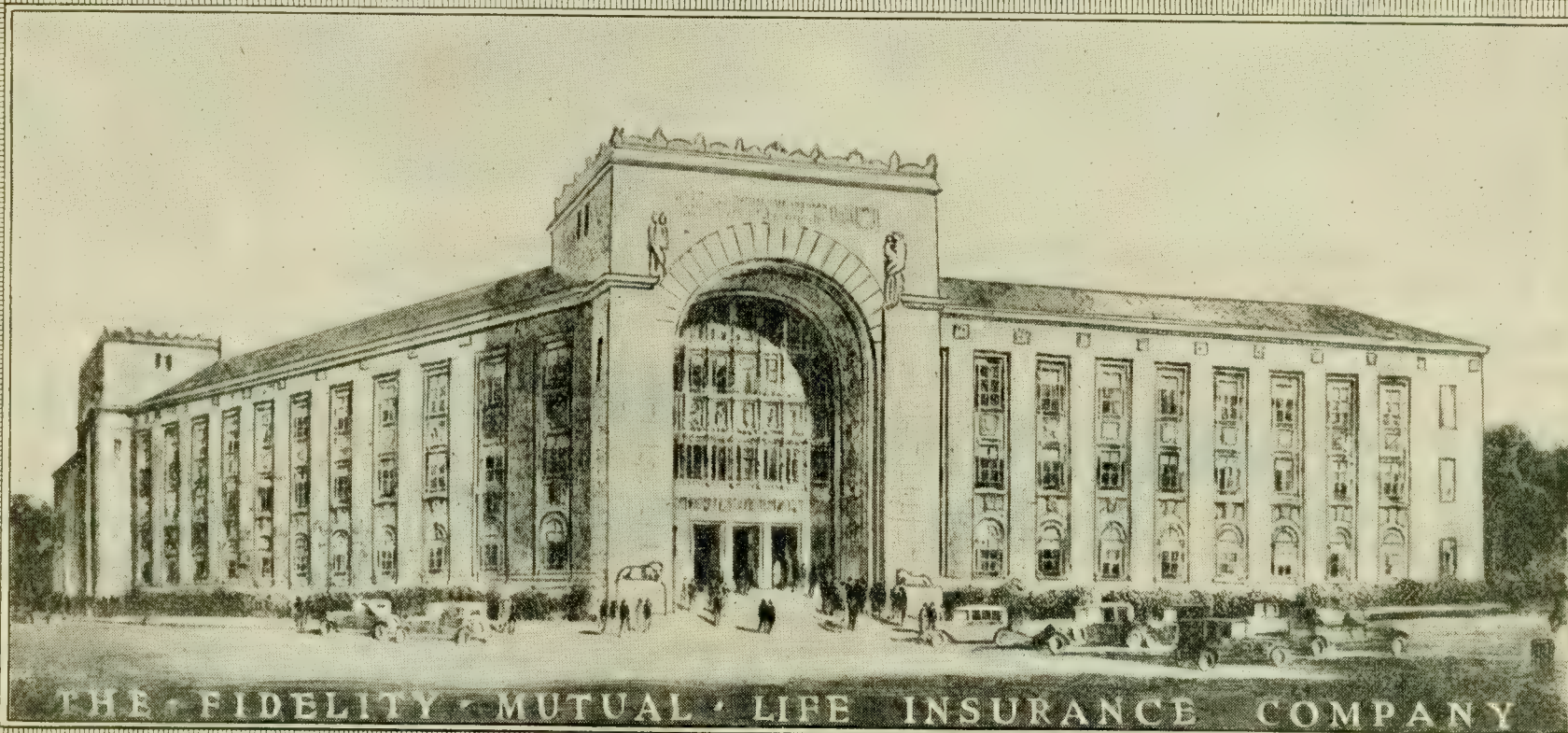
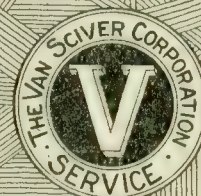
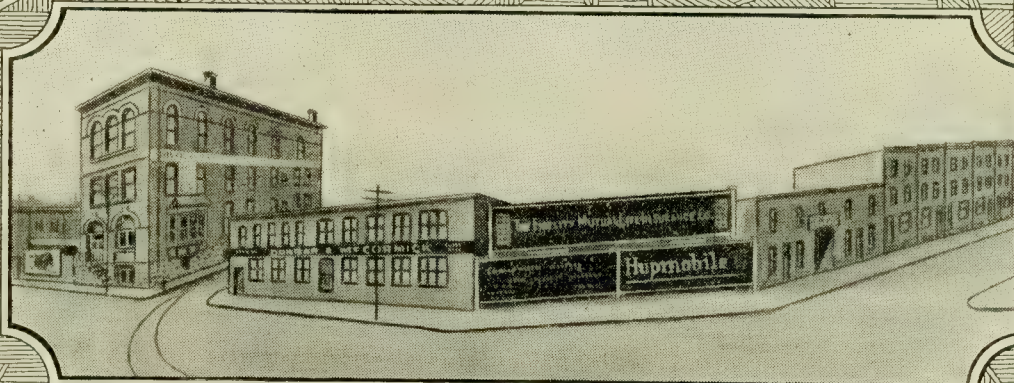
IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

PHILADELPHIA YESTERDAY & TODAY



HELPING to beautify Philadelphia's Parkway is not alone the task of the municipality. Private interests are co-operating in a big way to make The Parkway the most magnificent boulevard in the world. This new home-office building is now occupied by its owners.

Architects

ZANTZINGER, BORIE & MEDARY
PHILADELPHIA

Builders

TURNER CONSTRUCTION CO.
PHILADELPHIA

THE VAN SCIVER CORPORATION

Producers and Distributors of Building Materials

EXECUTIVE OFFICES—THE PARKWAY AT 24TH STREET, PHILADELPHIA

cost exactly \$107 more than the same house built in frame. The difference between brick and stucco was even less.

This result was subscribed to by the various materials interested and its accuracy vouched for by the Architects' Small House Service Bureau. When it is considered that one repainting of this bungalow built in frame would cost more than twice the first cost difference between brick and frame, there is left no room for doubt as to which is actually the lowest cost house from the viewpoint of the owner's pocketbook.

Similar investigations in other parts of the country produce like results. It is well established that today there is only a slight first cost difference between a well built, attractive and practically everlasting brick house and the other type, which is known to be expensive to maintain and which has a limited lifetime. Brick is gaining in some other classes of construction where the very best is desired.

Fifty years ago the grocer set out a keg of mackerel and a box of kindling wood, and sat down to wait for customers. Today he carries street-car and newspaper advertising and dresses his windows as smartly as the department store. If it didn't pay he'd still be sitting behind the stove waiting for customers with a mackerel keg out front doing service for a sign.

MONTHLY DIGEST NO. 82 Of Conditions in the Common Brick Industry

Information as of August 1, 1927

The percentage of the total production of Brick in the United States in 1927 used in the construction of residences will be greater than the percentage of any previous year's output.

While brick has been the favorite material for most types of buildings and is holding its own in the field of commercial and institutional building, it is making notable gains in dwelling house construction.

The development of new surface effects by use of common brick, which is a local made, low cost brick manufactured in every part of the country has been an important factor in the acceptance of brick in home building. Architects always maintain that any local material is suitable for use if properly handled. Common brick as it appears in factory walls or in the back and side walls of commercial buildings was not attractive because no thought was given to appearance in the laying. It was serving a structural purpose in carrying the heavy loads and resisting fire, but the better architects of the country have found that this same safety in construction may be obtained, and at

the same time beauty, by the proper treatment of the exterior course of brickwork.

The building of homes is doing much to maintain the construction volume in nearly all the large building centers. As was anticipated the early part of the year, there is a slight decline in several classifications, but residential construction is going ahead at a little more than normal quantity.

It has been estimated that the United States in years past did not build more than 15 per cent of its homes of permanent fire-safe materials, the remaining 85 per cent of frame. The proportion this year will show a gain in brick, stone and concrete types.

The report of 147 manufacturers located in 40 states show that the production has been cut down, and that there is a slight decrease in the quantity of brick moved from the yards during the past month. That there is over-production in certain centers is shown by the stocks on hand. This will probably result in shutting down of seasonal plants earlier than usual and a reduction in the production of the all-year-round plants.

Compared with one month ago, the orders on the books are satisfactory although the figure is far below that of a like number of manufacturers a year ago at this time. No important change in price is indicated by the reports.

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

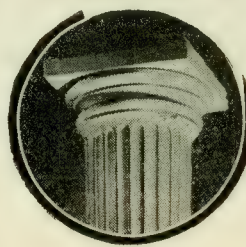
PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH FIRESAFE PLASTER LATH

SHEETROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Corp. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

"I DIDN'T KNOW"

is poor consolation to any builder when sudden emergency—fire, wind, etc.—puts his insurance protection to an unexpected test and finds it wanting.

If you do not know that this is a form of insurance featured by the "Old North America" any of our agents will be glad to give you full information and advice on the proper protection you should have, without any obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



Bush Terminal Service Station,
Brooklyn, New York
William Higginson, Architect
Turner Construction Co., Contractors

"ANTI-HYDRO" Keeps Elevator Pits Absolutely Dry

The concrete elevator pits in this building are permanently waterproofed with "ANTI-HYDRO". They are absolutely dry at all times.

No matter how large or how deep you build concrete pits, you can rely on "ANTI-HYDRO" to keep them dry. It waterproofs concrete against any head of water.

ANTI-HYDRO is a liquid integral agent that mixes easily with the gauging water. Any unskilled workman can do it. It both hardens and waterproofs concrete in ONE OPERATION.

During the past 23 years, "ANTI-HYDRO" installations have circled the globe. Carefully kept records fail to indicate one unsatisfactory installation. Use "ANTI-HYDRO" on your next job.

ANTI-HYDRO WATERPROOFING CO. 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 37
September 14, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P.G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P.G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

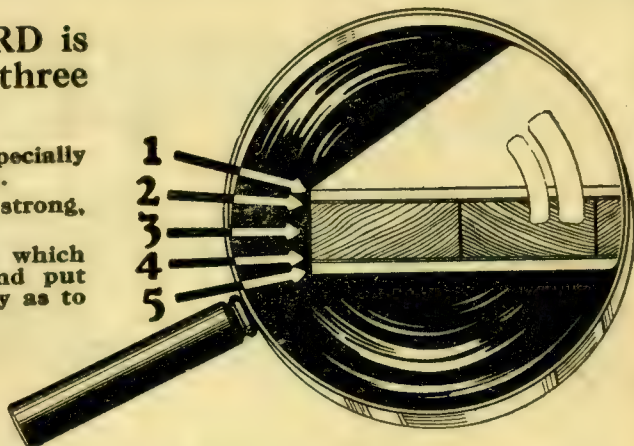
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES

SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand
and
Supply Corp.

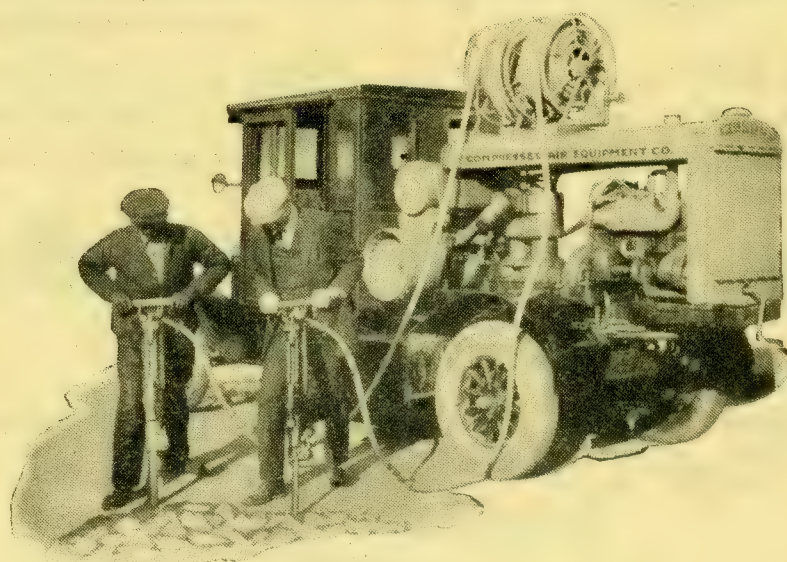
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

BankVaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE
Electric Refrigeration
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many types of sash can be filled from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

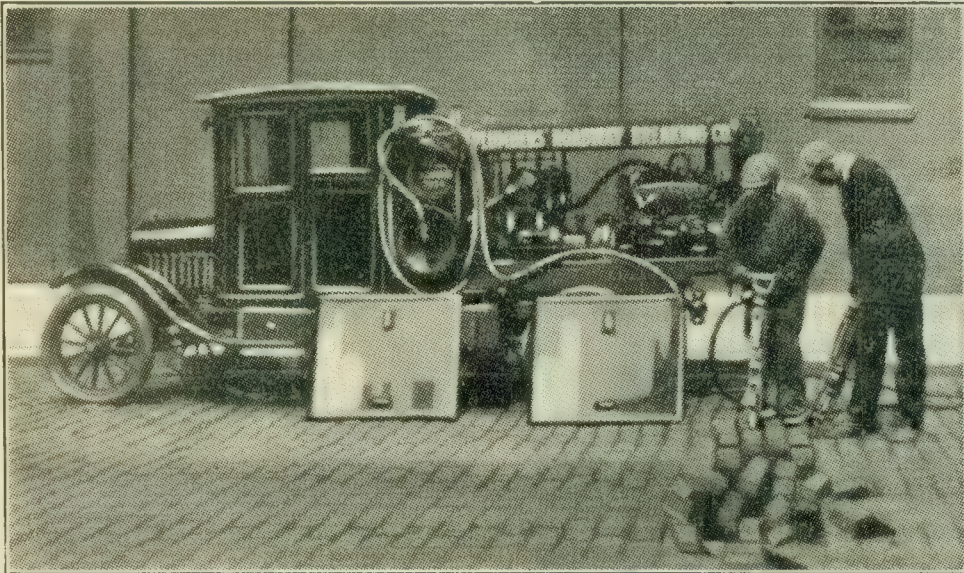
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



ONE BAG TILTER NOW AT HALF BAG PRICE

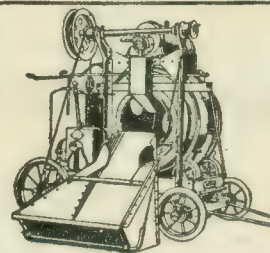
BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



MIXERS

55 - 75

105 - 145

215 - 285

GAS

STEAM

ELECTRIC

ALLEY

STREET

PAVER

HOISTS

SINGLE

AND

DOUBLE

DRUM

REVERS-

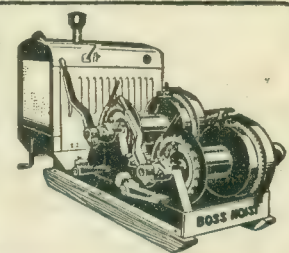
ING

\$135

UP

FORDSON

WINCHES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

Excavating

Steel Erecting

Trench Work

Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

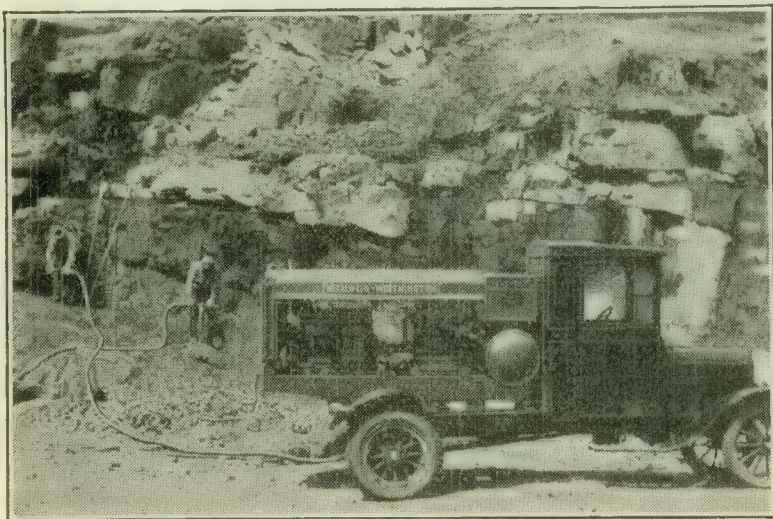
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII

Number 37

PHILADELPHIA

September 14, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Fire and Truck House, Eighty-second and Tineum streets, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, Bureau of Property, City Hall. Brick, 2 stories. Plans in progress.

Residence Operation, Belmont avenue, Conshohocken avenue, Sherwood, Forty-fifth, Forty-sixth, Forty-seventh streets, Philadelphia. Owners, Shapiro & Reed, 5230 Walnut street, Philadelphia. Work contemplated.

Hotel, Broad and Walnut streets, Philadelphia. Architect, H. Trumbauer, and Title Building, Philadelphia. Owners, Litz Carlton Hotel, on premises. Architect will be ready for bids in about one month.

Sales and Service Station, Walnut street, above Fifty-seventh street, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Ware Brothers, on premises. Brick, cut stone, steel, 2 stories and basement, slag roof, cement floors, plumbing, metal lath, electric light, tile work, fire and kalamein doors, bond, architectural terra cotta, ornamental iron work. Architect taking bids due September 16th.

Contract No. 181, stations, finish, Broad from Race to Girard avenue. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Painting, iron work, plastering, safety treads, mill work, copper-covered doors, cast iron grills, hardware, concrete and cement work, reinforced steel, hollow tile, brick work,

granite sanonyx, tile work. Owners taking bids due September 19th.

Store Building, 3 and 5 West Maplewood street, Chestnut Hill, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Chelton Trust Co., 5614 Germantown avenue, Philadelphia. Architects taking bids due September 21st.

Store and Apartment (alts. and add.), 337 West Girard avenue. Architects, The Penwood Co., City Center Building, Philadelphia. Owner, P. D. Jacobson, on premises. Brick, 3 stories and basement, 16x70 feet, oak floors, painting, glazing, hot water heat, oil burner, plastering, carpentry and mill work, hardware. Architects taking bids due as soon as possible.

Residences (42), Mitchener street, North of Upsal street, Philadelphia, \$165,000. Architect, private plans. Owner, George Ungerer, 4921 Fairhill street, Philadelphia. Brick, 2 stories, 16x29 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, North side Penn street, East of Baynton street, Philadelphia, \$3,000. Architect, private plans. Owner, C. M. Greenwood, 4940 North Broad street, Philadelphia. Stone, 1 story, 130x20 feet, cement floors, electric light. Permit issued.

Signal Tower, West side Wayne avenue, East of Pulaski avenue, \$2,100. Owners, Reading Company, Twelfth and Market streets, Philadelphia. Brick, 1 story, 16x14 feet. Per-

mit issued.

Residences (22), South side Malvern avenue, East of Flanders road, \$89,500. Architect, private plans. Owner, Ambrose Hoffman, 260 South Fifteenth street, Philadelphia. Brick, 2 stories, 16x28 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (26), South side Elmwood avenue, East of Fifty-seventh street, Philadelphia, \$109,800. Architect, private plans. Owner, A. C. McHugh, 6612 Dicks avenue, Philadelphia. Brick, 3 stories, 16x30 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (9), 5417-33 Saul street, Philadelphia, \$36,000. Architect, private plans. Owner, Wilfred Robinson, Arrott and Oakford streets, Philadelphia. Brick, 2 stories, 19x27 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, 6606 North Second street, Philadelphia, \$7,000. Architect, private plans. Owner Raymond Schillinger, 920 North Lawrence street, Philadelphia. Brick, 2 stories, 24 feet 6 inches x 36 feet 6 inches, hardwood and pine floors, steam heat, electric light. Permit issued.

Residence, 452 Flamingo street, Philadelphia, \$9,000. Architect, private plans. Owner, A. G. Wilson, Jr., 464 Flamingo street, Philadelphia. Frame, 2 stories, 20x28 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

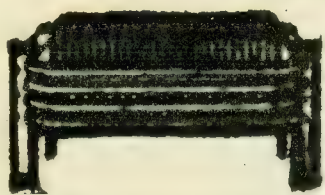
ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**
50 North 2nd Street

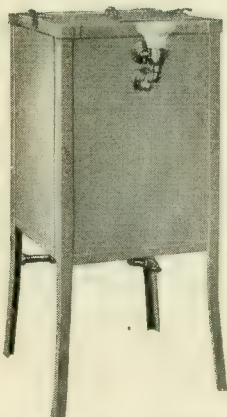


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Garage (add. and alts.), 513 East High street, Philadelphia, \$4,000. Architect, private plans. Owner, A. Founzi, on premises. Stone, 1 story add., 30x14 feet, general alterations. Permit issued.

Shop (add.), Northwest Corner Fiftieth and Wynnefield avenues, Philadelphia, \$4,000. Architect, private plans. Owners, Jacoby & Sons Co., on premises. Brick, 1 story add., 42x65 feet. Permit issued.

Residence, North side Harley street, West of Eighty-fifth street, Philadelphia, \$3,500. Architect, private plans. Owner, Frank P. Kelly, 1711 Wolf street, Philadelphia. Brick, 2 stories, 16x45 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (50), Smedley street, South of Sixty-fifth avenue, Philadelphia, \$202,000. Architect, private plans. Owners, Madway & Madway, 4218 Lancaster avenue, Philadelphia. Brick, 2 stories, 16x30 feet, 12x13 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (56), Fifty-seventh and Reedland streets, Philadelphia, \$186,000. Architect, private plans. Owner, Clarence E. Taylor, Fifty-eighth and Elmwood avenue, Philadelphia. Brick, 2 stories, 16x27 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (15), South side Eightieth street, West of Ogontz avenue, Philadelphia, \$112,500. Architect, private plans. Owner, Frank Mark, 2811 North Twenty-first street, Philadelphia. Brick, 2 stories, 16x31 feet, 13x11 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

School, Twelfth and Ogden streets, Myrtle street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Low bidders: William Langhorne, 10 South Eighteenth street, Philadelphia, \$322,000;

McCloskey Co., 1620 Thompson street, Philadelphia, \$323,323; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$14,144; heating, Fred Wackenhutt, 2416 Frankford avenue, \$30,335; ventilating, Mellon Co., 4415 Ludlow street, Philadelphia, \$1,331; electric, Walker & Kepler, 531 Chestnut street, Philadelphia, \$5,983; retaining wall, Germantown High School, Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$15,880.

Telephone Building (alts.) 132 S. 2d, St., Phila. Architect, Clarence E. Wunder, 1520 Locust street, Phila. Owner, Keystone Telephone Co., on premises. Brick work stone work, cement and concrete work, structural steel, gypsum roof slabs, iron work, fire doors, carpentry and millwork, plastering, metal lath, painting and glazing, plumbing, electric work, steam heat, slag roof, iron stairs. Architect taking bids due Sept. 19th.

Parish House, Bus'eton, Phila. Architect, Frank R. Watson, 1520 Locust street, Phila. Owner, Rhawnhurst Mission, on premises. Architect taking bids due Sept. 20th, at noon.

Residences (66), Anchor street, Cheltenham avenue, Phila. Architect, private plans. Owners, Broadman & Smith, 1524 Chestnut street, Phila. Brick, 2 stories, 16x36 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work, metal lath, cement work, galvanized iron bays. Owners will be ready for sub-bids in a few days.

Contract No. 299, Chlorine Apparatus, Belmont Mechanical Filters. Owner, Dept. of Public Work, Bureau of Water, 216 City Hall. Owner taking bids due Sept. 19th, 11 A. M. (D. S. T.)

Contract No. 150, Broad Street Subway, Phila. Owner, Dept. of City Transit, 1211 Chestnut street, Phila. Owner, taking bids due Sept. 22nd, 11 A. M. (S. T.) Certified check 5%, deposit, \$30.00 refunded. Electric switch equipment for stations No. 4, No. 5 and No. 6.

work. Contract awarded Fesmire Bros., Huntingdon Valley, Pa.

Concrete Foundations, Broad street, above Race street, Phila. Architect, H. Hall Mar-

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence and Garage, Gravers Lane, S. W. of Crefeld avenue, Phila. Architect, C. A. Ziegler, 1012 Walnut street, Phila. Owner, S. Harry Disston, School Lane and Wayne avenue, Phila. Stone, 2½ stories, 40x79 feet, shingle roof, hardwood floors, cement floors, hot water heat, electric light, tile and marble

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

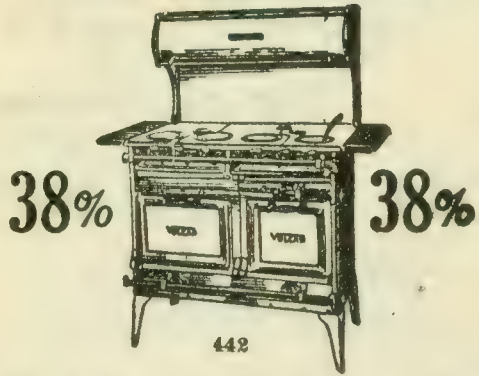
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

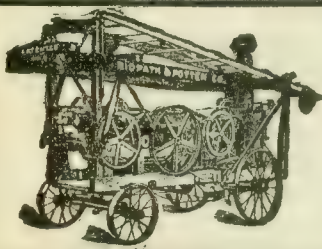
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

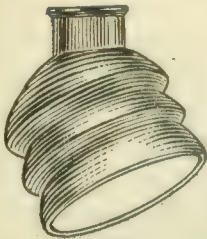
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

shall, 370 Lexington avenue, New York. Owner, Hahnemann Hospital, 15th above Race street, Phila. Contract awarded to F. G. Stewart, 1520 Locust street, Phila.

Garage (add.), 1656 Ruffner street, Phila., \$3,000. Owner, Mrs. Louis Koehler, 5000 N. 19th street, Phila. Metal, 1 story, 30 feet irregular. Contract awarded to D. J. Moyer, 4452 N. 19th street, Phila.

Church and School Building, Third and Champlost streets, Philadelphia. Associate architects, Thoralf Sundt, Bruce Wenner, W. H. Stewart, 1701 Arch street, Philadelphia. Owners, Grace Evangelical Church, Rev. Mr. Winter, 254 West Champlost street. Stone, cast stone, steel, 2½ stories, basement and mezzanine, 68x73 feet (plumbing, heating, electric kitchen equipment reserved), asbestos built-up roof, slate roof, pine, cement and gum roof, metal lath, rolled steel sash, bond, ornamental iron work, area gratings, flag-stone, composition floors, leaded glass, metal partitions. Contract awarded F. H. Wilson, Oakmont, Pa.

Store Building, 5614-16 North Fifth street, Philadelphia. Architect, Harold Holmes, Detroit, Mich. Owner, S. S. Kresge, Detroit, Mich. Concrete, cement work, brick work, stone, granite, iron and steel, carpentry and mill work, slag roof, sheet metal work, metal lath, plastering, tile and marble work, copper store front, glazing, linoleum floors, steam heat, electric light, plumbing. Contract awarded Turnbull & Cornell, 15 South Twenty-first street, Philadelphia.

Alterations, 519 Arch street, Philadelphia. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, McArdle & Cooney, 519 Arch street, Philadelphia. Plastering, structural steel, painting and glazing, slag roof, metal lath, kalamein doors. Contract awarded Farrell-Roth Const. Co., Twenty-first and Walnut streets.

Garage and Show Room, 2026-28 North Twenty-second street, Philadelphia. Engineer, R. Reuben Kohn, 1720 North Creighton street, Philadelphia. Owner, Larry Miller, care of engineer. Brick, steel, 2 stories and basement, 175x53 feet, gypsum slag roof, cement floors, plumbing, architectural terra cotta coping, ornamental iron work, steam heat, electric light, oil burner. Contract awarded H. A. Hopple, Heed Building, Philadelphia, who is taking sub-bids.

Church (alts. and add.), Broad and Butler streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Stephen's Church, Rev. Monsignor J. A. McCullough, on premises. Stone, limestone, granite, steel (heating, electric reserved), slate roof, cement and pine floors,

plumbing, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, tin-clad and kalamein doors, marble and terrazzo work, metal lath. Contract awarded John McShain, 1713 Sansom street, Philadelphia.

Trade School, Frankford avenue and Clementine street, Philadelphia. Architect, I. T. Catharine, Nineteenth street above Chestnut, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, steel, 5 stories and basement, 156x164 feet, tile roof, maple, pine, linoleum and cement floors, safety treads, roof ventilators, membrane waterproofing, dampproofing, metal lath, tile, marble and terrazzo, steel sash and skylights, hollow metal doors, floor hardener, iron stairs, iron work, bronze, granite, steel partitions, area gratings. Contract awarded McCloskey Co., 1620 Thompson street, Philadelphia.

Howard Furness School (add. and alts.), Third and Mifflin streets, Philadelphia. Architect, I. T. Catharine, Nineteenth street above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, reinforced concrete, cut stone, steel, granite, 3 stories and basement, 2 wings, 63x106 feet, composition roof, maple, cement and pine floors, hollow tile, metal weather strip, concrete paving, waterproofing, dampproofing, hollow metal doors, metal lath, tile and marble, steel partitions, linoleum floors, bond, floor hardener, iron stairs, ornamental iron, bronze. Contract awarded McCloskey Co., 1620 Thompson street, Philadelphia.

Show Room, Griscom street, South of Oxford avenue, Philadelphia. Architect, G. Harold Murphy, 1013 Harrison street, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, 2 stories, 38x120 feet, composition roof, cement floors, hot water heat, electric light, rolled steel sash. Contract awarded J. D. Fotheringham, Castor and Arrot streets, Philadelphia.

Store Building (alts.), Southeast Corner Twentieth and Chestnut streets, Philadelphia. Architect, A. W. Hall, Fifteenth and Locust streets, Philadelphia. Owner, name withheld. Electric work, metal lath, mill work, carpentry, slag roof, stair work, plastering, painting, glazing, plumbing. Contract awarded J. Schnabel, Inc., Abbott Building, Philadelphia.

Bakery Garage and Stable, Godfrey and Rising Sun avenue, Philadelphia. Architect, C. W. Comstock, 110 West Fortieth street, New York. Owners, General Baking Co., Broad and Butler streets, Philadelphia. Re-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4359

KEYSTONE, RACE 1114

Good Work

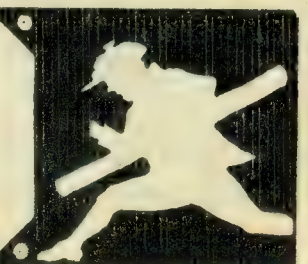
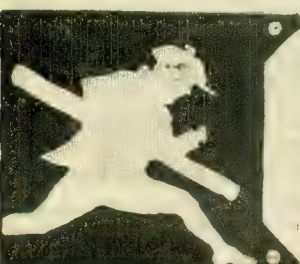
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



inforced concrete, brick, granite, 3 stories and basement, 1 story and basement, 2 stories and basement, 310x220 feet, 101x61 feet, 93x183 feet, Barrett specification roof, cement floors, mastic and maple floors, metal lath, marble and terrazzo work, rolled steel sash, copper skylights, fire and hollow metal doors, bond, iron stairs, ornamental iron work, wrought iron pipe, area gratings, safety treads, waterproofing (sprinkler, heating, electric reserved). Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Garage and Storage Building, 2656-58 East Birch street, Philadelphia, \$3,000. Architect, private plans. Owner, Samuel Kranzel, 2944 East Thompson street, Philadelphia. Brick, 2 stories, 40 feet 8 inches x 42 feet 10 inches, slag roof, cement floors. Contract awarded Dock C. Heard, 2041 East Sergeant street, Philadelphia.

Shop and Storage Building, 3543 North Ninth street, Philadelphia, \$2,700. Architect, private plans. Owners, A & P Cleaners, on premises. Brick, 2 stories, 19x60 feet, slag roof, electric light. Contract awarded to H. Esain, 5242 Larchwood street, Philadelphia.

Residence and Store (add.), 5717 Chester avenue, Philadelphia, \$3,800. Architect, private plans. Owner, B. Smith, on premises. Brick, 2 stories add., 16x17 feet. Contract awarded to G. Adams, 5905 Chester avenue, Philadelphia.

Theatre (alts.), Northwest Corner York and Hope streets, Philadelphia, \$3,500. Owner, Harry Rosinsky, 6135 Cobb's Creek Boulevard, Philadelphia. General alterations. Contract awarded Fred G. Jay, 2615 South Sixty-seventh street, Philadelphia.

Residences (2), North side Shelmire street, East of Tavor road, \$8,000. Architect, private plans. Owner, Lena Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, 14x40 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Harry Perlman, 1225 Cottman street, Philadelphia.

Residence, North side Friendship street, West of Frontenac street, \$4,200. Architect, private plans. Owner, George Clarke, 5960 North Third street, Philadelphia. Frame, 2 stories, 24x24 feet, pine floors, hot water heat, electric light. Contract awarded to James K. Cook, 4361 North Fourth street, Philadelphia.

Residence (add.), Northwest Corner Bryn Mawr and Woodbine avenues, \$4,000. Owner, William M. Crowe, on premises. Stone, 2 stories add., 15x24 feet. Contract awarded to Turnbull & Connell, 15 South Twenty-first street, Philadelphia.

Store and Garage (add.), Northeast Corner Sixty-second and Noble streets, \$3,500. Architect, private plans. Owner, W. J. Rain, Sixty-second and Noble streets, Philadelphia. Brick, 1 story add., 20x72 feet. Contract awarded to Clinton & Erb, 6133 Lansdowne avenue, Philadelphia.

Residences (2), East side Longshore street, North of Oakley street, Philadelphia, \$10,000. Architect, private plans. Owner, J. Y. T. Addin, 6900 Rising Sun avenue, Philadelphia. Brick, 2 stories, 16x50 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to F. A. Addin, 409 Longshore street, Philadelphia.

Storage Bins, East side Keystone street, North of Cottman street, Philadelphia, \$5,000. Owners, Keystone Coal & Wood Co., on premises. Contract awarded Fanning-Schuette Co., 4325 North Third street, Philadelphia.

Garage, 1203 Seventieth avenue, Philadelphia, \$3,000. Architect, private plans. Owner, W. B. Vrooman, on premises. Stone, 1 story, 10x18 feet 6 inches, cement floors. Contract awarded to William Johnson, 1606 Swain street, Philadelphia.

Residence (add. and alts.), 1926 West Rittenhouse street, \$2,500. Architect, private plans. Owner, H. D. Hughes, Hotel Warwick, Philadelphia. Brick, 1 story add., 6 feet 6 inches x 6 feet, general alterations. Contract awarded to Edward Quigley, 416 Drexel Building, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Grading and paving. Owners, Department of Public Works, Bureau of Highways, City Hall. Spring Garden street, Brown to Twenty-second street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$33,882.73. Springfield avenue, Forty-fifth street to Forty-sixth street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$7,568. Margaret street, Frankford to Milnor street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$27,942.20. Poplar street, Tenth to Broad street, C. G. Centrone, Bailey Building, Philadelphia, \$18,410.15. Eighth street, Spring Garden to Columbia, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$60,594.48. Eighth street, Columbia avenue to Germantown avenue, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$38,549.61. Eighth street, South, Pine, Spruce, Walnut streets, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$20,443.88. Eleventh street, York to Cambria, Glenwood, Mazzola & Marano, 739 South Seventh street, Philadelphia, \$35,883.08. Allen street, Bath to Victoria, Municipal Paving Co., Second and Wingo-hocking streets, \$32,925.35. City Line avenue, Fifty-fourth to point 750 feet, McNichol Paving & Const. Co., 1923 Cherry street, \$6,449.55.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of City Property, Bureau of Engineering, 216 City Hall. Sewers. Bouvier street, Godfrey to Medary, Donato Delise, 4842 North Leithgow street, \$7,978. Chancellor street, Broad to Fifteenth, Sabine & Callone, 1720 South Chadwick street, \$6,584. Cliveden street, Chew to Belfield, A. Bonitatibus, 300 West Mount Pleasant avenue, \$7,499. Hermitage, Shalkop to Lawnton, A. Perna & Son, 739

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**
**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

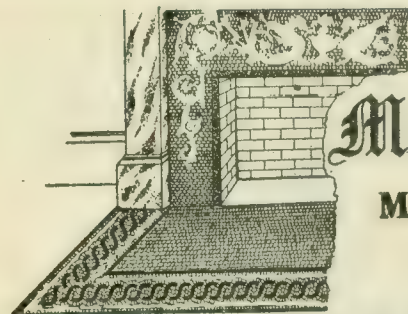
512 Bulletin Building
Philadelphia
Penna.

Be
19 V

THERE IS ONLY ONE IN-A-
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS
1530 CHESTNUT STREET PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes

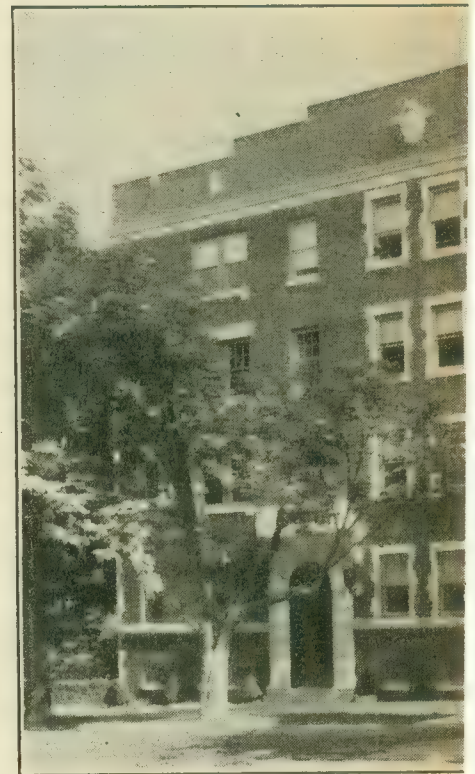
We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature.



TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If h
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegra
of Truscon STONETEX.

STONETEX is the masonry coating. Not on
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

BEDS

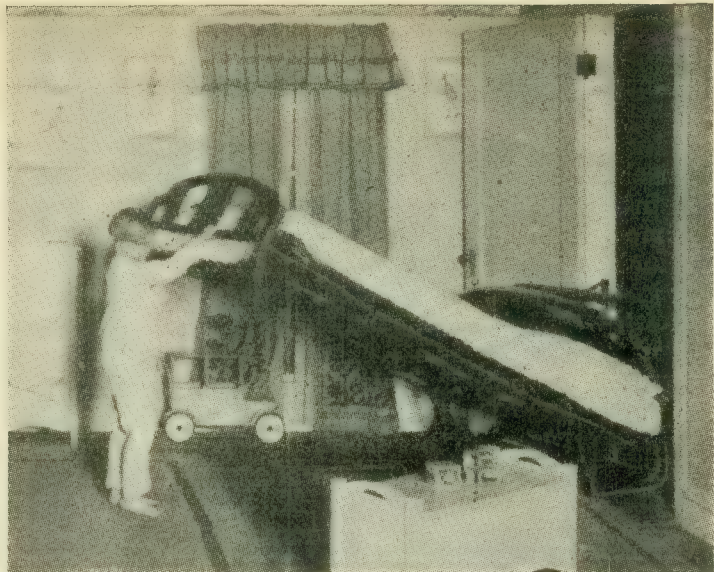
omes
ings

call at our
ain kitchen
g boards as
Beds

D CO.

ey Building
44th Street
w York

BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

cks are beginning to show,
g Truscon STONETEX.

nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
re masonry.



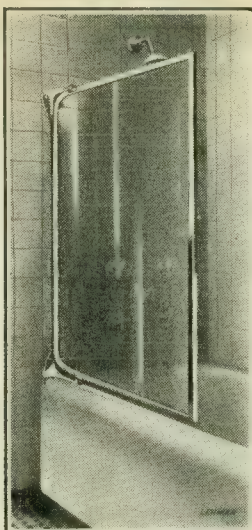
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

South Eighth street, \$6,888. Lawnton, Hermitage to Leverington, A. Perna, 739 South Eighth street, \$7,856. Maywood, Hunting

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

**PILES, FOUNDATIONS
CAISSONS**
 ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
 1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

**Reinforced Concrete
and Cement Work**
 Get our estimate first on
 "THAT CEMENT JOB"
FREDERICK MASSIAH
 S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
 BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

**BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.**

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Park to Bristol, O'Neill Co., 127 East Mermaid lane, \$7,374. Seventeenth street, Church to Medary, Catteria & Pentaulli, 523 Rising Sun avenue, \$16,574. Seventy-seventh, Limekiln to Ogontz, S. Yetman, Lincoln Building, \$2,415.50. Van Kirk street, Oakland to Roosevelt, V. S. Campellina, 3856 North Tenth street, \$10,103.

Pennsylvania Construction News

Store and Office Building, 515-19 Market street, Chester, Pa., \$1,500,000. Architect, A. Coshland, Chester, Pa. Owner, Julian Goldman, 1107 Broadway, New York. Brick, steel, concrete, terra cotta, 15 stories, 70x240 feet, irregular, 30 stores, arcade. Work contemplated. Preliminary plans drawn.

Residence (alt.), Latches lane, Merion and Old Lancaster road, Merion, Pa. Architect, D. B. Bassett, 1520 Locust street, Philadelphia. Owner, A. H. Geuting, on premises. General renovation and additions. Plans in progress.

Residence, Sunbury, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, J. H. Gilbert, Sunbury, Pa. Brick, 2½ stories. Plans in progress.

Hospital (add. and alts.), North Lime street, Lancaster, Pa., \$75,000. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Lancaster General Hospital, F. C. Hilker, on premises. Semi-fireproof. Architect selected.

Bank, Fourth and Clay streets, Jeannette, Pa., \$250,000. Engineers, Tilghman-Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Jeannette Savings & Trust Co., J. W. Keltz, president, First National Bank of Jeannette, Jeannette, Pa. Stone, steel, 4 stories, tile and marble, electric work, skylights, bond, ornamental iron, bronze work, metal window guards. Engineers will be ready for bids soon.

Residence, Second street, Harrisburg, Pa. Architect and owner, B. E. Starr, 9 North Second street, Harrisburg, Pa. Brick, 2½ stories, 30x39 feet, slate roof, hardwood floors, electric light, tile work. Architect will build.

Fish Hatchery, Teonesta, Forrest County, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, State of Pennsylvania, Com. N. R. Butler, State Capitol, Harrisburg, Pa. Brick, 1 story, 130x27 feet, slate roof, concrete floors, steel sash, electric light. Owners will take bids next week.

Home, Third street, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Orioles Home Association, R. L. Bingham, secretary, 1631 Hunter street, Harrisburg, Pa. Fireproof, 3

stories, 80x80 feet, composition roof, rubber tile floors, hollow tile, dumb waiters, damp-proofing, brass pipe, iron stairs, steel sash, tile, metal lath. Architects will be ready for bids first of next week.

Service Station, Southwest Corner Seventh and Washington Square, Pa. Architect, A. C. Bieber, 1520 Locust street, Philadelphia. Owner, F. Day Wright, care of Van Pelt Co., 222 South Fifteenth street, Philadelphia. Plans in progress.

Armory, Carbondale, Pa. Architect, Raymond E. Tiffany, M. and M. Building, Carbondale, Pa. Owners, Armory Board, State of Pennsylvania, Brigadier General Demming, Harrisburg, Pa. Revised plans in progress.

Office and Apartment, Market street, between Third and Fourth street, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, J. Gouvallas, care of architect. General alterations. Plans in progress. Ready for bids in one week.

Residence and Garage, Villa Nova, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Mrs. Thomas E. Jones, 145 W. Susquehanna ave., Phila. Brick 2½ stories, 85x35 feet, wing 23x29 feet, slate roof, color as selected, hardwood floors, electric light, alternate wood shingle roof. Architect taking bids due September 16th.

Church, Sunday School and Parsonage, Hershey, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, First U. B. Church, J. A. Balsbaugh, Hershey, Pa. Brick, local stone, 1 story and basement and 2 stories, 83x44 feet, slate roof, maple floors, hollow tile, waterproofing, damp-proofing, tile and marble, metal lath, electric light, vapor heat. Owners taking bids due September 23rd at 7 P. M.

Elementary School, Reservoir street, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 2 stories, 203x96 feet, slate or Barrett roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and damp-proofing, wrought iron pipe, iron or steel stairs, bond, fire doors, tile and marble, metal lath (plumbing, heating, electric separate). Owners taking bids due September 24th.

Gymnasium, Carlisle, Pa. Architect, W. W. Emmart, Union Trust Building, Baltimore, Md. Owners, Dickinson College, Carlisle, Pa. Stone, reinforced concrete, steel, brick, 2 stories and basement, 115x41 feet, wing 86x123 feet, variegated slate roof, composition floors, cement and maple floors, hollow tile, waterproofing and damp-proofing, cast stone, metal lath, tile, terrazzo work, rolled steel sash, bond, iron stairs, ornamental iron work, bronze work, limestone, cut stone. Architect taking bids due September 19th.

School, Southampton, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, Board of Education, Mrs. J. W. Noble, Southampton, Pa. Brick, hollow tile, 2 stories, unit system heat, electric light, slag roof, maple floors, steel work, ventilation, stone work. Owners taking bids due September 16th, 8 P. M. (Daylight Saving Time).

Bank (alts. and add.), Clearfield, Pa. Architects, Hopkins & Dentz, 415 Lexington avenue, New York. Owners, County National Bank of Clearfield, Pa. Excavation, concrete and cement work, plastering, metal lath, structural steel, marble and tile work, iron work, carpentry and mill work, slag roof, painting, decorating. Architects taking bids due September 15th.

Bridges (3), Swamp Creek, Douglas Township; Schlegel Creek, Douglas Township; Tributary West Branch Creek, Upper Hanover Township, Pa. Owners, Montgomery

County Commissioners, W. C. Irvine, Norristown, Pa. Reinforced concrete. Owners taking bids due September 16th, 10 A. M. (Day-light Saving Time). Check.

Retaining Wall and Rebuilding Wharf, Edgemoor Depot, Del. Owner, Superintendent of Lighthouses, Philadelphia. Owner taking bids due October 5th, 2 P. M. Information upon request.

High School, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, Haverford Township, Lansdowne, Pa. Owners taking bids due September 27th.

Residence, Mt. Airy, Pa., \$30,000. Architect, private plans. Owner, W. E. Hale, 1516 Summer street, Philadelphia. Stone, 2½ stories, 59x39 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Owner will build and is taking sub-bids due September 20th.

Store and Apartment (alts. and add.), Sellersville, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owner, O. M. Nase, Sellersville, Pa. Brick, third floor, 36x62 feet, asbestos shingle roof, pine floors, heating and lighting extensions, general alterations. Plans in progress. Architect ready for bids in ten days.

Sewer, Souderton, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owners, Union National Bank, Souderton, Pa. Reinforced conduit 4 feet x 8 feet, 130 feet long. Owners ready for bids.

Private Sanitarium, Souderton, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owner, Dr. Irwin Kinsey, Souderton, Pa. Brick, 2½ stories, 40x112½ feet, slate roof, dumb waiter, laundry equipment, incinerator, hardwood and tile floors, hot water heat, electric light, metal lath. Owner subletting.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due September 22nd, at 10 A. M.

Allegheny county, R-120, Sec. 3-B, East Pittsburgh and North Braddock Boroughs, 2,653 feet. Vitrified brick pavement on concrete base. Certified check, \$1,500.

Bucks County, A-4947, 4948, Bristol Township, Bristol Borough, 17,850 feet. One course reinforced concrete. Certified check, \$1,000.

Butler County, R-387, Saxonburg Borough, Buffalo and Winfield Townships, 17,850 feet. One course reinforced concrete. Certified check, \$3,500.

Cambria County, R-406, Sec. 1, Allegheny Township, 11,084 feet. One course reinforced concrete. Certified check, \$2,000.

Chester County, R-543, Tredyffrin Township, 7,407 feet. One course reinforced concrete. Certified check, \$1,500.

Fayette County, R-288, Sec. 5, A-4269, 4965, North Union and Menallen Townships, 12,680 feet. One course reinforced concrete. Certified check, \$2,500.

Mifflin County, A-4528, Burnham Borough, 6,384 feet. One course reinforced concrete. Certified check, \$1,500.

Somerset County, R-50, Sec. 5, Milford and Middle Creek Townships, 5,870 feet. One course reinforced concrete. Certified check, \$1,000.

Venango County, R-205, Cornplanter Town-

ship, Rouseville Borough, 1,612 feet. One course reinforced concrete. Certified check, \$1,000.

Warren County, A-4014, Brokenstraw Township, 17,341 feet. Bituminous surface treated macadam surface course. Certified check, \$2,000.

Westmoreland County, A-4561, 258, 259, East and South Huntington Townships, 29,389 feet. One course reinforced concrete. Certified check, \$3,500.

York County, A-2794-2796, Dallastown and Yee Boroughs, 4,983 feet. One course reinforced concrete. Certified check, \$2,000.

Bridge, Erie County, A-4900, over French Creek, from Mill Village Borough, LeBoeuf Township, (1) span steel truss, reinforced concrete pavement, grading. Certified check.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due September 23rd, at 10 A. M.

Bedford County, R-222, Sec. 2 and 3, West St. Clair Township, 6,980 feet. One course reinforced concrete. Certified check, \$1,500.

Bucks County, R-153, Sellersville Borough, 1,799 feet. One course reinforced concrete. Certified check, \$500.

Delaware County, R-420, A-4942, Upper Darby and Darby Townships, Clifton Heights, Aldan, Folcroft, Collingdale and Glenolden Boroughs, 20,171 feet. One course reinforced concrete. Certified check, \$2,500.

Delaware County, A-4682, Tinicum Township, 9,689 feet. One course reinforced concrete. Certified check, \$2,000.

Erie County, R-85, 295, Albion Borough, 5,829 feet. Bituminous surface course. Certified check, \$1,500.

Erie County, A-4709, Harbor Creek Township, Wesleyville Borough, 4,150 feet. One course reinforced concrete. Certified check, \$1,000.

Greene County, R-616, Sec. 1, Dunkard Township, 11,605 feet. One course reinforced concrete. Certified check, \$2,000.

Indiana County, R-67, Sec. 1, White and Armstrong Townships, 30,310 feet. One course reinforced concrete. Certified check, \$4,000.

Lebanon County, R-140, A-4885, East Hanover Township, 11,675 feet. One course reinforced concrete. Certified check, \$2,000.

McKean County, R-236, Coros Township, 11,573 feet. One course reinforced concrete. Certified check, \$2,000.

Somerset County, A-362, Shade Township, 3,613 feet. One course reinforced concrete. Certified check, \$500.

Westmoreland County, A-320, 321, Salem Township, 14,005 feet. One course reinforced concrete. Certified check, \$2,000.

Westmoreland County, A-346, 347, Adamsburg Borough, Hempfield Township, 12,145 feet. One course reinforced concrete. Certified check, \$2,000.

Road Work, Pennsylvania. Lowest bidders. Owners, State Highway Department, Harrisburg, Pa.

Monroe County, A-3760-A, Jackson Township, 10,452 feet. Grading and drainage. Mapleton Limestone Co., Huntingdon, Pa., \$16,651.85.

Lewis Lumber Co.

Lumber
Stock Millwork
Jobbers' Lumber
Sheetrock
Flintkote Shingles

324 Sloan Street
Philadelphia

(Between 39th and 40th, off Powelton Ave.)

Phone, Evergreen 4769

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

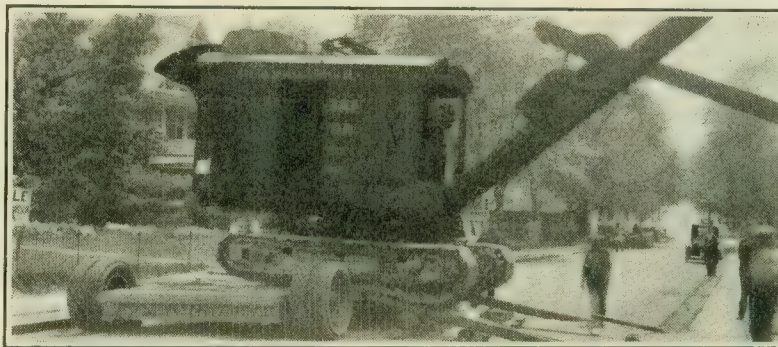
Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Beaver County, A-216-17 and 4846, Economy Township, 21,070 feet. One course reinforced concrete. Kemena Lumber Co., Ambridge, Pa., \$190,054.

Northampton County, A-4807-4808, Freemansburg Borough, Bethlehem City. One course reinforced concrete. R. D. Richardson Const. Co., Scranton, Pa., \$46,882.13.

Butler County, A-4544, Winfield Township. Penetration surface course on reconstructed stone base course. Jones Const. Co., Bealls-ville, Pa., \$109,663.

Bucks County, R-153, bridge. Reinforced concrete, 1 span. Ira J. Reigher Const. Co.,

Harrisburg, Pa., \$34,317.03.

Northumberland County, R-161, Coal and Ralph Townships. One course reinforced concrete. D. W. Davis & Sons, Kingston, Pa., \$165,607.53.

Lycoming County, R-289, 331, A-4772, South Williamsport Borough. Vitrified brick pavement with bituminous filler on concrete base. Busch & Stewart, Inc., Williamsport, Pa., \$125,194.79.

Dauphin County, R-509, Swatara Township. One course reinforced concrete. W. T. Staats & Co., York, Pa., \$36,258.25.

Blair County, R-55, Sec. 4, Logan Township. One course reinforced concrete. Charles Winters Const. Co., Butler, Pa., \$190,199.50.

Lebanon County, R-140, Swatara and Bethel Townships. One course reinforced concrete. Pottsville Const. Co., Pottsville, Pa., \$97,040.38.

Greene County, R-111, S-4, A-4238-A, Cumberland Township, Carmichaels Borough. One course reinforced concrete. E. E. Morris, Waynesburg, Pa., \$3,698.10.

Huntingdon County, R-46, S-2, Hopewell Township. One course reinforced concrete. Paul Const. Co., Cresson, Pa., \$138,888.87.

Northumberland County, R-18, Northumberland Borough. One course reinforced concrete. O. B. Bell, Sunbury Cement Products Co., Sunbury, Pa., \$48,290.29.

Erie County, R-86, S-3, Fairview Township. One course reinforced concrete. Charles H. Fry Const. Co., Erie, Pa., \$36,557.

Northampton County, R-175, S-5, A-4915, Walnutport Borough. One course reinforced concrete. Lincoln Const. Co., Strafford, Pa., \$40,981.12.

Dauphin County, R-140, A-4840, East Hanover Township. One course reinforced concrete. W. Grant Raub Co., Red Lion, Pa., \$178,063.01.

Somerset County, R-186, S-1, A-4701, Somerset Borough. One course reinforced concrete. Michael Barber, Binghamton, N. Y., \$17,564.30.

Dauphin County, R-370, Penbrook Borough, Susquehanna Township. One course reinforced concrete. Continental Cont. Co., Baltimore, Md., \$28,452.45.

Paving, Chester, Pa. Owner, Dept. of Streets and Public Improvements, G. J. Hunter, Chester, Pa. Deposit, \$2.00, refunded. certified check 5%, bond. Owner taking bids due Sept. 13th 2 P. M. (D. S. T.) 8,100 square yards, miscellaneous paving of streets 6-inch concrete base, 2½-inch asphalt; 300 square yards, paving alley, 6-inch concrete.

Don't be a Rip Van Winkle. Advertise and let everybody know you are awake and abreast of the times.

Pennsylvania

Contracts Awarded

Theatre, Third, near Northumberland street, Easton, Pa. Architects, Lackey & Hettle, Camden, N. J. Owners, Strand Theatre, Clayton D. Buss, Easton, Pa. Brick, steel, concrete block, 2,000 seating capacity, slag roof, concrete floors, electric light, mushroom heat, ventilation system, details undecided. Plans in progress. Contract awarded T. M. Gibbs Co., Corn Exchange Building, Philadelphia.

Soldiers' and Sailors' Memorial Bridge, Unit No. 2, Harrisburg, Pa. Architects, S. Ross and William Gehron, 101 Park avenue, New York. Engineers, J. E. Greiner Co., Lexington Building, Baltimore, Md. Owners, Department of Supplies and Property, Harrisburg, Pa. Contract awarded J. McGraw, Commercial Trust Building, Philadelphia.

Garage, Jenkintown, Pa. Architect, George A. Robbins, Otis Building, Philadelphia. Owner, Miss Anna S. Newbold, Jenkintown, Pa. Cinder concrete block, stucco, 2 stories, 50x20 feet, hot water heat, electric light, metal lath, shingle roof, cement and linoleum and pine floors, plumbing, bond, ornamental iron work. Contract awarded Albert Zellfelder, 1324 Walnut street, Philadelphia.

Residence, Garage and Greenhouse, Meadowbrook, Pa. Architect, C. A. Ziegler, 1012 Walnut street, Philadelphia. Owner, J. Smylie Herkness, Meadowbrook, Pa. Stone, hot water heat, electric light, metal lath, tile work, slate roof, oak, pine and cement floors, flagstone, iron work. Contract awarded Roy Randall, Jenkintown, Pa.

New Porch Enclosed, Elkins Park, Pa. Architects, McElvaine & Roberts, 112 South Sixteenth street, Philadelphia. Owner, George McDaugal, Elkins Park, Pa. Plastering, painting, glazing, hot water heat, stone work, plumbing. Contract awarded C. Harry Seasholtz, Elkins Park, Pa.

Residence (alts. and add.), Martin avenue and Pennsylvania Railroad, Ridley Park, Pa. Architect, Bruce Wenner, 1701 Arch street, Philadelphia. Owner, Dr. A. Chester Wolfe, Ridley Park, Pa. Stone work, slate roof, plastering, painting, glazing, metal lath, hot water heat, electric light. Contract awarded J. Rooney, Ridley Park, Pa.

Residence, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owner, Lewis Levy, 914 Buchanan avenue, Lancaster, Pa. Cinder block, stucco, 2½ stories, 32x28 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Herman Wohlson, Woolworth Building, Lancaster, Pa.

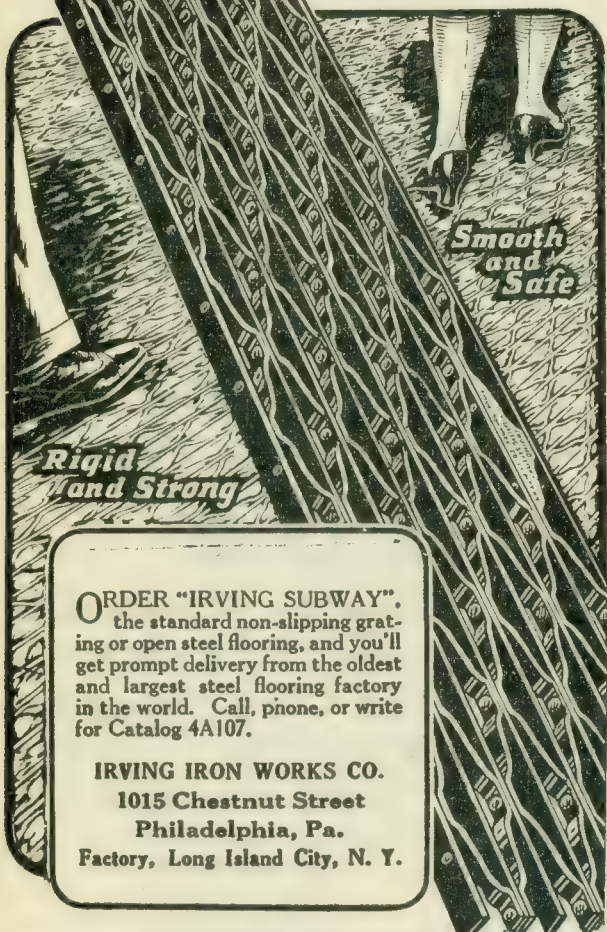
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



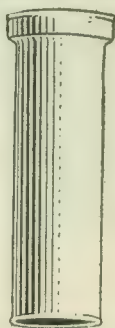
Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
SUBWAY
FLOORING**



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Sunday School, York, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Fourth U. B. Church, Rev. C. C. Miller, 930 East Market street, York, Pa. Brick, steel, 1 story and gallery, 100x100 feet, slate roof, maple floors, vapor heat, electric light, steel sash. Contract awarded I. Reindollar & Son, 34 East Springettsbury avenue, York, Pa.

Sewage Treatment Plant, Contract No. 1, Allentown, Pa. Engineers, Metcalf & Eddy, Statler Building, Boston, Mass. Owners, City of Allentown, 301 Central Fire and Police Station, Allentown, Pa. Contract awarded Stephen U. Hopkins, 551 Fifth avenue, New York.

Residence (alts. and add.), Main and Diamond streets, Souderton, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owner, William Holly, Souderton, Pa. General alterations, brick, 1 story, 16x26 feet, slate roof, pine floors, new porches, plumbing, hot water heat, electric light, tile work. Contract awarded H. H. Minninger, Souderton, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Luzerne County, A-3802, Black Creek Township. Grading and drainage. Contract awarded Banks Const. Co., Wilkes-Barre, Pa., \$77,926.90.

Butler County, R-214, Butler Township, Butler City. One course reinforced concrete. Contract awarded W. H. Nicely Cons. Co., Ligonier, Pa., \$30,908.40.

Lawrence County, R-444, A-4806, Union and Mahoning Townships. One course reinforced concrete. Contract awarded Woods & Golder Const. Co., Newcastle, Pa., \$84,075.77.

New Jersey Construction News

Wyoming Tribe No. 55 Building, 417 Pearl street, Camden, N. J. Architect Howard E. Hall, Merchantville, N. J. Owners, I. O. R. M., Camden, N. J. Brick, steel, 2 stories and basement, 90x32 feet, slag roof, rubber tile and maple floors, plumbing, cinder concrete block, brass pipe, iron pipe, ornamental iron work, iron stairs, bond, tile work, electric light, metal lath, steam heat, dumb waiters. Architect taking bids due September 15th.

Casa Blanca Del Mar Apartment Hotel, Loch Harbor, Beach front, Asbury Park, N. J., \$300,000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, Casa Blanca Del Mar Corp., 434 Cookman street, Asbury Park, N. J. Steel, concrete, stone, brick, 12 stories, 200x300 feet, power plant equipment, steam or vapor heat, tile and marble work, elevators, hardwood, composition and linoleum floors, Spanish tile roof, esplanade, swimming pool, tennis and squash courts, bowling alleys, ball room, restaurant, lockers, showers, metal partitions. Plans in progress.

Hotel, Fortesque, N. J., \$200,000. Architects, Edwards & Green, Camden, N. J. Owners, Hindermark Hotel Corp., care of architect. Brick, steel, concrete, 4 stories and roof garden, 100 rooms, slag and tile roof, hardwood floors, elevators, terra cotta, elec-

tric light. Plans in progress. Architects will be ready for general bids in one week.

High School, May's Landing, N. J., \$250,000. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Hamilton Township Board of Education, A. E. Smith, Dist. Clerk, May's Landing, N. J. Brick, steel, 3 stories, 193x140 feet, maple floors, hollow tile, safety treads (heating, plumbing, electric and sewage treatment plant separate). Certified check. Deposit, \$50. Owners taking bids due October 7th.

Residence, Princeton, N. J. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, B. S. McCutchin, Princeton, N. J. Stone, cut stone, 2½ stories and basement, 58x22 feet, wing 41x23 feet, shingle roof, oak, pine and cement floors, plumbing, warm air heat, electric light, metal lath, bond, ornamental iron work. Architect taking bids due September 17th.

Sewage Plant, Thirty-second and Farragut avenue, Newton Creek, South of Morgan Boulevard, Camden, N. J. Engineers, Remington & Vosbury, Camden, N. J. Owners, City of Camden, W. D. Sayrs, Jr., Camden, New Jersey. Plans in progress. Bids will be taken on North Plant shortly. Will contain 2 Imhoff tanks.

Building, Atlantic City, N. J. Architect, J. Vaughan Mathis, Guarantee Trust Building, Atlantic City, N. J. Owners, Young Women's Christian Association, Atlantic City, N. J. Brick, cut stone, concrete, limestone, steel, 5 stories and basement, 114x90 feet, built-up and slate roof, maple, cement and oak floors, hollow tile, elevators, safety treads, wire window guards, metal weather strip, integral waterproofing, dampproofing, wrought iron pipe, ornamental iron work, floor hardener, iron stairs, bond, rolled steel sash and skylights, kalamein doors, metal lath, tile, marble and terrazzo work, electric light, vacuum steam heat. Architect taking bids due September 22nd.

Residences (2), Store (1), Garages (7), 201-03-05 South Forty-first street, Camden, N. J. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Michael J. Jubanyik, Sixth and Penn streets, Camden,

N. J. Brick, 2 and 1 stories, 18x32 feet, 18x22 feet and 10x18 feet, slag roof, hot water heat, electric work. Permit issued.

Residences (5), 3612-20 Freemont avenue, Camden, N. J., \$22,500. Architect, private

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

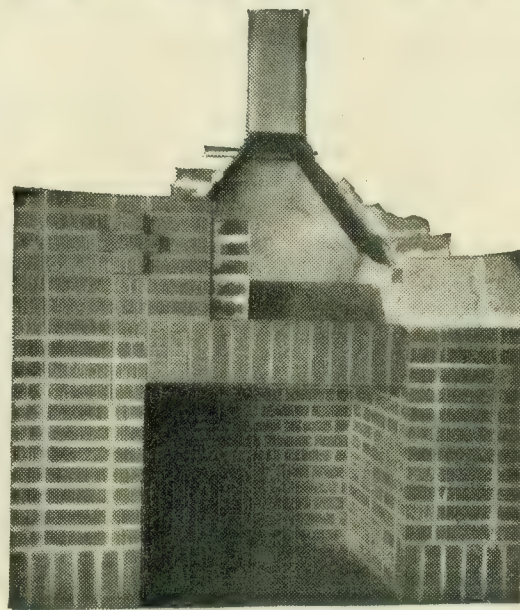
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

plans. Owner, Paul J. Everly, 253 South Twenty-seventh street, Camden, N. J. Brick, 2 stories, 18x34 feet, slag roof, hot water heating, electric lighting. Permit issued.

Residences (2), 1466-68 Ormond avenue, Camden, N. J., \$8,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Joseph Wackstein, 1474 Ormond avenue, Camden, N. J. Brick, 2 stories, 14x52 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Dormitory, State Normal School, Glassboro, N. J. Architects, Guilbert & Bettel, Newark, N. J. Owners, State Normal School, Glassboro, N. J. Brick, semi-fireproof, 3 stories and basement, 167x45 feet. Low bidders: George H. Evans, 1416 Vine street, Philadelphia, \$81,818; J. M. Yardley, 1700 Walnut street, Philadelphia, \$86,999; plumbing, Harry Knecht, Collingswood, N. J., \$6,000; heating, Harry Knecht, Collingswood, N. J., \$10,500; electric, C. M. Parkhurst, Clementon, N. J., \$1,462.

H. A. Stees School, Beverly, N. J. Architect, Hubert S. Stees, Beverly, N. J. Owners, Board of Education, Beverly, N. J. Brick, 1 story and basement. Low bidders: J. E. Kolster, Beverly, N. J., \$19,958; plumbing, J. Hammell, Beverly, N. J., \$1,025; electric, W. Gaunt, Burlington, N. J., \$350; heating and ventilating, Mechanical Equipment Co., 214 South Twelfth street, Philadelphia, \$3,296.

Paving, Camden, N. J. Low bidders. Owners, Board of Chosen Freeholders, Camden, N. J. Cedarbrook road, F. A. Canuso & Son, 804 South Twelfth street, Philadelphia, \$17,799. Erial road, F. A. Canuso & Son, 804 South Twelfth street, Philadelphia, \$86,634. Sorrell Horse road, Fish-Rutherford, Inc., 4058 Chestnut street, Philadelphia, \$71,181. Sadley lane, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$61,781. Godfrey Bridge, Blackwood, N. J., J. T. Erickson, Blackwood, N. J., \$4,850.

Normal School, Jersey City, N. J. Owners, State Board of Education, Trenton, N. J. Lowest bidder: Charles Cona Const. Co., Paterson, N. J., \$410,000.

Relaying Water Mains, Clementon, N. J. Engineer, Remington Vosbury, 509 Cooper St., Camden. Owner, Borough of Clementon, S. W. Clarke, Clementon, N. J. Owner taking bids due Sept. 21st, 8 P. M. (D. S. T.). Deposit, \$5.00, refund, \$3.00. 11,800 2-inch galvanized iron water mains; 730 feet ¾-inch G. I. service pipe.

New Jersey Contracts Awarded

Residences (4), LeJune Road, Palmyra, N. J. Architect, private plans. Owner, Fred Green, Palmyra, N. J. Concrete, steel, hot water heat, painting, g'azing, plumbing. Contract awarded Fred Green Palmyra, N. J.

Storage (add.), 513 South Third street, Camden, N. J., \$2,800. Architect, private plans. Owner, Theodore Doris, 513 South Third street, Camden, N. J. Brick, 2 stories add., 18x12 feet, slag roof. Contract awarded Costanza Brothers, 1540 Mt. Ephraim avenue, Camden, N. J.

Miscellaneous Construction News

Hotel, Corning, N. Y. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Corning Hotel Corp., Corning, N. Y. Brick, reinforced concrete, steel. Revised plans in progress. Ready for bids in two weeks.

Apartment House, Delaware avenue, Wilmington, Del., \$25,000. Architect, private plans. Owner, Louis Feldman, 127 West Thirtieth street, Wilmington, Del. Brick, stone, 3 stories, 36x66 feet, slag roof, hardwood floors, electric light, tile work. Permit issued.

Residences (2), 901-3 Blackshire road, Wilmington, Del., \$22,000. Architect, private plans. Owner, Charles W. Goodring, Jr., 716 Nottingham road, Wilmington, Del. Brick, 2 stories, irregular size, slate roof, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Residence, 727 Coverdale road, Wilmington, Del., \$14,000. Architect, private plans. Owner, Charles W. Gooding, Jr., 716 Nottingham road, Wilmington, Del. Brick, 2 stories, irregular size, slate roof, oak floors, hot water heat, electric light. Permit issued.

Miscellaneous Contracts Awarded

Auto Building, Wilmington, Del. Architect, R. C. Tindall, 914 Orange street, Wilmington, Del. Owners, Wilmington Auto Sales Co., 221 West Tenth street, Wilmington, Del. Brick, terra cotta, 1 story, 35x110 feet, slag roof, tile floors, craftex walls, steel sash, electric light. Contract awarded to D. Fontano, 310 North Adams avenue, Wilmington, Del.

Residences (2), Wilmington, Del. Owner, Peter A. Harty, Ford Building, Wilmington, Del. Brick, 2½ stories, 25x30 feet, slag and slate roof, oak floors, hot water heat, electric light. Contract awarded to D. Cantera, Eighth and Lincoln streets, Wilmington, Del.

Store (alts.), 4 West Fourth street, Wilmington, Del., \$15,700. Owners, Success Department Store, on premises. Brick, 2 stories, 70x36 feet, plate glass, marble work, general alterations. Contract awarded F. H. Keiser Co., Pottstown, Pa.

Proposals

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., September 9, 1927. Sealed Bids will be opened in this office at 3 p. m., October 3, 1927, for Betterments of the U. S. post office, Cohoes, N. Y. Drawings and specifications may be obtained from the custodian of the building, or at this office in the discretion of the Supervising Architect. JAS. A. WETMORE, Acting Supervising Architect.

PUBLIC NOTICE

SEALED BIDS will be received by the Board of Education of Hamilton Township, County of Atlantic, State of New Jersey, at 8.00 o'clock P. M. on Friday, October 7, 1927, at a special meeting of the said Board, to be held in the Public School Building, corner of Farragut Avenue and Second Street, May's Landing, New Jersey, for the erection and completion of a three-story Fireproof High School Building to be erected on the school grounds at the corner of Farragut Avenue and Second Street in the rear of present frame school house, May's Landing, N. J., according to the plans and specifications on file in the office of S. HUDSON VAUGHN, Architect, Room 642, Guarantee Trust Building, Atlantic City, New Jersey, where said plans and specifications may be seen, or the Architect will loan to prospective bidders a copy of the said plans and specifications on the deposit of \$50.00 by the borrower of the plans, which amount will be returned providing a bid in regular form is submitted to

the Board on one of the five groups advertised and the plans and specifications delivered in good condition, to the office of the Architect within one week after bids are opened. Said bids are to be opened and read in Public at the aforesaid time and place.

Five separate bids will be received on five separate groups of the work to be done, together with alternate bids as called for by the specifications.

Construction Work Group No. 1
Plumbing Work Group No. 2
Electric Work Group No. 3
Heating and Ventilating Work Group No. 4
Sewage Disposal Work Group No. 5

Each bid must be accompanied by a certified check, payable to JAMES F. CANAZZA, Custodian, in the amount of ten percent of the bid, or cash in equal amount.

The certified check or cash, above stated, which accompanies each bid is intended as a guarantee that if the Contract is awarded to the bidder, he will enter into a Contract with said Board of Education, and give Bond, as required by specifications, and if for any reason the successful bidder should fail or refuse to execute the Contract and Bond as required, the certified check or cash accompanying said bid becomes the property of the Board of Education aforesaid and the proceeds of said check deposited to the credit of said Board.

All checks will be returned within one week after the bids have been opened, excepting the checks of the lowest and next lowest bidder on each section or group of the work.

Surety Company Bond, in the full amount of the Contract, must be furnished by the successful bidder and all bids must be made on "Bidding Proposals" as provided in the specification under Section "A."

If the bidder fails to file with his bid, in addition to his certified check, a proper Consent or Bidder's Bond, executed by officers in authority for said Surety Company, naming the surety that will go on his Bond, the bid will be considered irregular.

Contract will be awarded, if awarded at all, subject to the sale of bonds to finance said work.

The right is reserved to reject any or all bids.

By order of the Board of Education of Hamilton Township, Atlantic County, New Jersey.

ARCHIE H. SMITH,
District Clerk.

William J. Miller, formerly with Hopp'e & Miller, has opened an office at 1127 Somerville Avenue, Philadelphia. Bell phone, Michigan 2986.

BUILDING PERMITS FOR JULY, 1927, FALL BELOW LAST YEAR

Permits for construction work in the State during July, 1927, were 11 per cent. below the total for July, 1926, according to reports received at the Department of Labor and Industry from building inspection offices in 35 cities and boroughs. The cost of the construction work contemplated by the 4,326 permits issued during July, 1927, was estimated to be \$21,633,613. New building work comprises 85 per cent., or \$18,468,459, of the July building total and the balance of \$3,165,154 is to be expended for additions, alterations, and repairs to buildings. The reduced volume of building is in new con-

struction work, the total for alteration and repair work being nearly the same as July, last year.

Thirteen cities and boroughs report gains in building over July, 1926, and 22 show decreases. The gain in Wilkes-Barre was \$1,303,294, or 213 per cent., and was the largest gain reported. Four other cities showed gains of more than \$100,000 over July, 1926. These 4 cities and their gains are: Uniontown, \$621,936; Williamsport, \$193,990; New Castle, \$167,575, and Harrisburg, \$107,765.

Of the 22 cities that report a reduced volume of building in July, 1927, compared to July, 1926, 11 show losses in excess of \$100,000 as follows:

City	Amount of decrease	Percent. of decrease
Philadelphia	\$1,826,795	14.1
Pittsburgh	786,682	21.8
Allentown	555,496	52.5

Reading	334,185	46.2
Warren	305,069	91.0
Erie	284,660	50.6
Altoona	254,577	38.0
York	223,250	89.7
Easton	189,412	61.2
Lancaster	140,160	59.1
Bethlehem	104,863	42.6

Cities that report decreases amounting to less than \$100,000 include: Ambridge, Bristol, Carlisle, Donora, Hazleton, Johnstown, Meadville, Monessen, Monongahela, Pottsville and Sunbury.

Building permit records for the first 7 months of 1927 are available for 31 cities and boroughs and show that permits were granted for the erection, alteration, or repair of 29,526 buildings at an estimated cost of \$132,793,241. Compared with the building total for the same cities and boroughs for the corresponding period in 1926, the volume of building in

1927 is \$14,465,567, or 9.8 per cent., less than last year.

The comparison shows that building operations in 16 cities have gained over the first 7 months of last year and have shown decreases in 15 cities. The decreases for the 15 cities, however, overbalance the gains in the 16 cities by 285 per cent. This is due principally to the fact that the reduced volume of building in Philadelphia alone exceeds the gains of all 16 cities combined. The building volume in Philadelphia for the first 7 months of 1927 was \$10,514,805 below last year while the gains in 16 cities totaled \$5,011,987.

Cities in addition to Philadelphia, that show building losses for 7 months of more than a half-million dollars over last year are: Easton, \$772,824; Harrisburg, \$517,970; Hazleton, \$657,529; Pittsburgh, \$3,879,268, and Reading, \$928,-

NEW BUILDINGS, ADDITIONS, ALTERATIONS AND REPAIRS IN PENNSYLVANIA FOR THE MONTH OF JULY

City or Borough	1927				1926			
	New Buildings		Additions, Alterations, Repairs, etc.		New Buildings		Additions, Alterations, Repairs, Etc.	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	124	\$ 448,050	31	\$ 55,329	109	\$ 448,100	39	\$ 610,775
Altoona	95	361,877	63	53,822	95	587,580	114	82,696
Ambridge Borough	17	77,700	4	6,000	16	97,950	1	200
Berwick Borough	3	5,275	3	850	3	3,200	1	500
Bethlehem	31	77,950	43	63,557	46	203,335	29	43,035
Bradford	15	52,100	5	11,850	18	53,260	12	5,300
Bristol Borough	2	2,400	1	1,800	1	5,000	5	2,800
Carlisle Borough	22	36,780	6	3,445	8	57,350	8	29,725
Coatesville	13	76,500	4	4,600	7	35,950	5	30,100
Donora Borough	2	8,000	3	1,650	1	19,000	..	..
Duquesne	21	108,907	32	13,559	21	73,949	38	15,950
Easton	18	84,030	14	36,100	22	120,825	26	188,717
Erie	113	230,623	58	47,615	148	516,320	71	46,578
Harrisburg	81	323,675	29	81,000	62	273,485	14	23,425
Hazleton	25	118,189	8	23,631	25	144,981	11	20,714
Johnstown	42	104,045	34	27,220	37	141,750	19	13,200
Lancaster	15	89,600	26	7,375	28	221,325	26	15,810
McKees Rocks Borough	6	23,150	2	10,500	6	7,350	1	1,000
Meadville	9	9,750	6	2,154	11	77,800	12	2,561
Monessen	8	8,525	5	3,700	7	51,200	6	3,808
Monongahela	3	3,625	7	3,060	5	11,850	7	1,655
New Castle	55	679,635	16	4,330	51	503,080	17	13,310
Oil City	18	106,700	25	12,075	12	14,400	37	20,120
Philadelphia	1,054	9,425,235	767	1,667,215	1,056	11,549,165	787	1,370,080
Pittsburgh	356	2,128,095	319	685,869	610	3,310,272	285	290,374
Pottsville	36	192,200	16	23,300	23	227,800	17	14,570
Reading	78	301,615	136	87,625	72	613,925	146	109,500
Scranton	47	257,410	49	130,730	81	272,755	87	98,084
Sunbury	10	24,900	5	2,200	6	51,699	1	26,000
Uniontown	14	629,961	3	4,975	7	13,000	..	..
Warren Borough	4	24,500	6	5,571	9	329,230	8	5,910
Washington	12	159,715	4	195	13	152,525	3	650
Wilkes-Barre	42	1,869,490	73	45,579	48	554,750	82	57,025
Williamsport	37	403,115	32	15,090	40	196,245	52	27,970
York	25	15,137	38	21,583	31	227,610	47	32,360
Total	2,453	\$18,468,459	1,873	\$3,165,154	2,735	\$21,168,016	2,014	\$3,204,502

275. Cities whose losses range from \$100,000 to \$500,000 include Altoona, Ambridge, Bradford, Donora, Erie, Meadville, Warren, and Williamsport. The loss in Sunbury amounted to \$25,772, and was the smallest loss reported.

New Castle with a building gain of \$1,048,930 for 7 months tops the list of the 16 cities showing increases. Eight cities show gains ranging from \$100,000 to \$1,000,000 as follows: Uniontown, \$973,971; Scranton, \$777,127; Wilkes-

Barre; \$712,840; Oil City, \$456,626; York, \$268,558; Bethlehem, \$189,549; Carlisle, \$141,892, and Lancaster, \$119,506. Gains in 7 other cities amounted to less than \$100,000.

The July building permits, classified according to types of buildings to be erected, show a few interesting changes when compared with the record for July, a year ago. Last July nearly half of the building costs were apportioned to residential buildings. In July, 1927, residential

buildings make up only one-fourth of the building total. Permits for one-family dwellings are 10 per cent. higher than last year while permits for two-family dwellings and apartment houses show decreases. The average construction cost of one-family dwellings in July, 1927, is shown to be \$900 less than last year, dropping from \$4,987 in July, 1926, to \$4,087 in July, 1927.

In the non-residential building group permits for the construction of amusement places, factories and shops, garages, and office buildings show largest declines. Permits for school buildings and stores are somewhat higher than last year.

ESTIMATED VALUE OF BUILDING PERMITS ISSUED IN CITIES AND BOROUGHES IN PENNSYLVANIA DURING THE MONTH OF JULY

City or Borough	1927		1926	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	155	\$ 503,379	148	\$ 1,058,875
Altoona	158	415,699	209	670,276
Ambridge Borough	21	83,700	17	98,150
Berwick Borough	6	6,125	4	3,700
Bethlehem	74	141,507	75	246,370
Bradford	20	63,950	30	58,560
Bristol Borough	3	4,200	6	7,800
Butler*	9	25,000	..	.....
Carlisle Borough	28	40,225	16	87,075
Clairton* .....	..	.....	25	45,478
Coatesville	17	81,100	12	66,050
Connellsville* .....	..	.....	17	27,115
Donora Borough	5	9,650	1	19,000
Duquesne	53	122,466	59	89,899
Easton	32	120,130	48	309,542
Erie	171	278,238	219	562,398
Harrisburg	110	404,675	76	296,910
Hazleton	33	141,820	36	165,695
Homestead Borough* .....	..	.....	11	38,500
Jeannette Borough* .....	..	.....	12	24,800
Johnstown	76	131,265	56	154,950
Lancaster	41	96,975	54	237,135
McKeesport*	216	290,203	..	.....
McKees Rocks Borough	8	33,650	7	8,350
Meadville	15	11,904	23	80,361
Monessen	13	12,225	13	55,008
Monongahela	10	6,685	12	13,505
New Castle	71	683,965	68	516,390
Oil City	43	118,775	49	34,520
Philadelphia	1,821	11,092,450	1,843	12,919,245
Pittsburgh	675	2,813,964	895**	3,600,646
Pottsville	52	215,500	40	242,370
Reading	214	389,240	218	723,425
Scranton	96	388,140	168	370,839
Shamokin Borough* .....	..	.....	31	47,710
Sunbury	15	27,100	7	77,699
Uniontown	17	634,936	7	13,000
Warren Borough	10	30,071	17	335,140
Washington	16	159,910	16	153,175
Wilkes-Barre	115	1,915,069	130	611,775
Wilkesburg Borough* .....	..	.....	37	300,280
Williamsport	69	418,205	92	224,215
York	63	36,720	78	259,970

Total4,551 \$21,948,816 4,882 \$24,856,401

Comparative Total4,326 \$21,633,613 4,749 \$24,372,518

*Not included in comparative total.

**Includes figures for Carrick Borough.

Washington, Sept.—The greatest volume of construction operations ever carried on in this country during a single month was established in August, according to statistics just compiled by the Associated General Contractors of America. Registering an increase of eight per cent over the July volume, building activities last month reached a total well above the previous record, set in July 1926.

All types of building, it is stated, are included in these statistics, which are based upon actual shipments of basic construction materials.

Last month's construction record brought the total volume for the first eight months of this year up to a figure four per cent in excess of the total registered for the corresponding period of 1926. Leading builders consider this to be especially significant in view of the fact that the total volume for the twelve months of last year was the greatest ever recorded for a similar period.

A huge volume of contracts already awarded for future construction work bolsters forecasts that a new mark will be set by 1927. The volume of awards made during the first seven months of this year exceeds by seven per cent the corresponding total for 1926.

A scale which places the 1913 average at 100 as its basis shows the index number for the August volume of actual operations to be 238. Figures for preceeding months are: January, 129; February, 121; March, 135; April, 165; May, 197; June, 212; July, 221.

Fifty years ago the grocer set out a keg of mackerel and a box of kindling wood, and sat down to wait for customers. Today he carries street-car and newspaper advertising and dresses his windows as smartly as the department store. If it didn't pay he'd still be sitting behind the stove waiting for customers with a mackerel keg out front doing service for a sign.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

"I DIDN'T KNOW"

is poor consolation to any builder when sudden emergency—fire, wind, etc.—puts his insurance protection to an unexpected test and finds it wanting.

If you do not know that this is a form of insurance featured by the "Old North America" any of our agents will be glad to give you full information and advice on the proper protection you should have, without any obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



Bush Terminal Service Station,
Brooklyn, New York
William Higginson, Architect
Turner Construction Co., Contractors

"ANTI-HYDRO" Keeps Elevator Pits Absolutely Dry

The concrete elevator pits in this building are permanently waterproofed with "ANTI-HYDRO". They are absolutely dry at all times.

No matter how large or how deep you build concrete pits, you can rely on "ANTI-HYDRO" to keep them dry. It waterproofs concrete against any head of water.

ANTI-HYDRO is a liquid integral agent that mixes easily with the gauging water. Any unskilled workman can do it. It both hardens and waterproofs concrete in ONE OPERATION.

During the past 23 years, "ANTI-HYDRO" installations have circled the globe. Carefully kept records fail to indicate one unsatisfactory installation. Use "ANTI-HYDRO" on your next job.

ANTI-HYDRO WATERPROOFING CO.
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad, Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bel, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR

BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.

TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 38
September 21, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

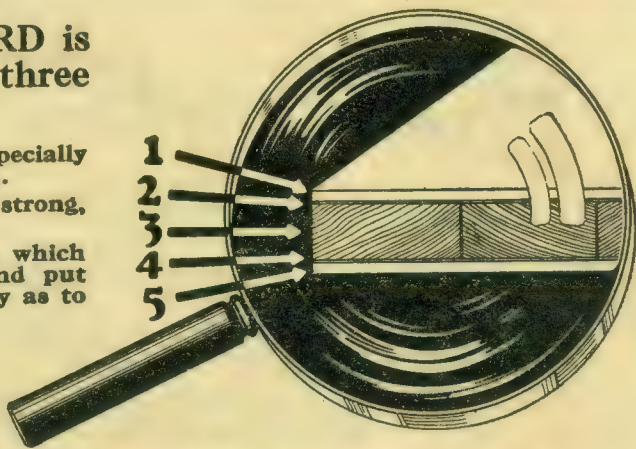
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

West Jersey Sand
and
Supply Corp.

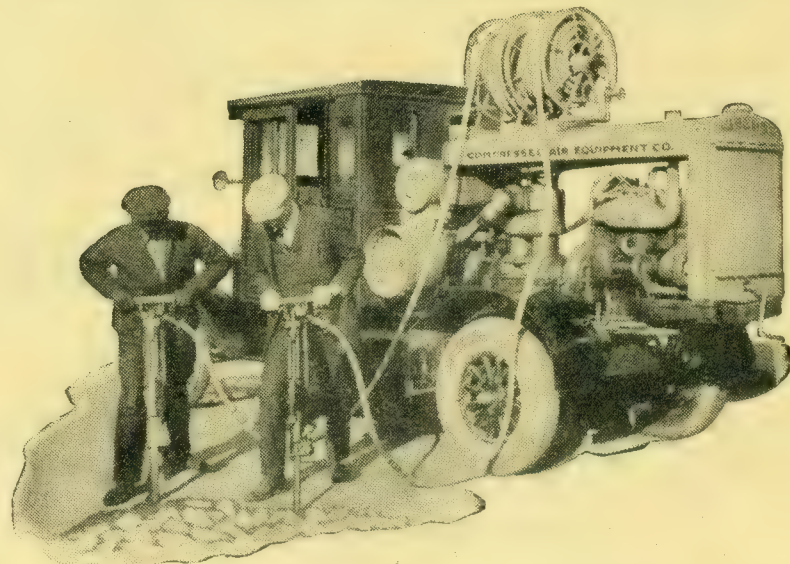
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE
Electric Refrigeration
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

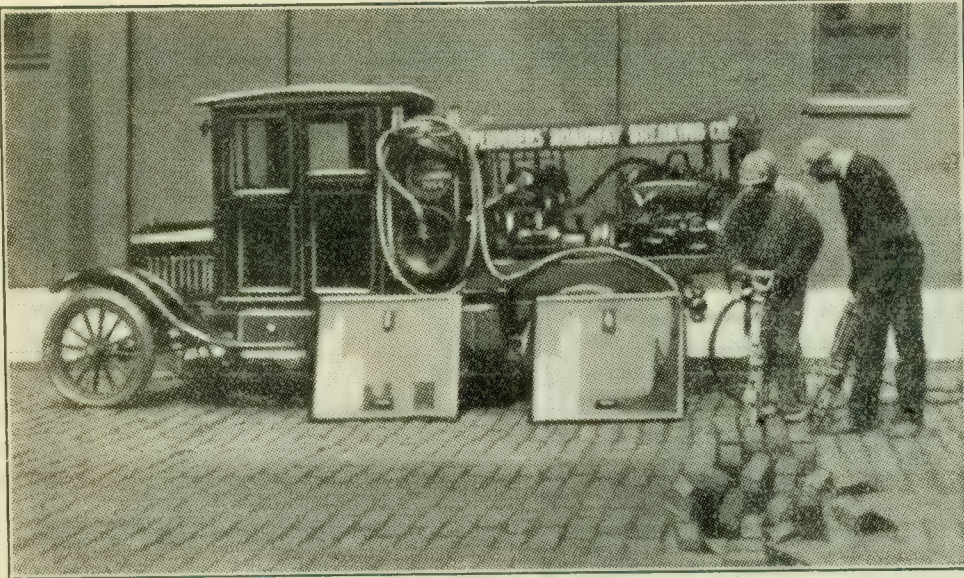
FABRICATED STEEL
IRON BARS

RICHARD DeCOU CO.
Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE
**Street Openings
By Newest and Easiest Method**

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

**Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries**

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES :

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

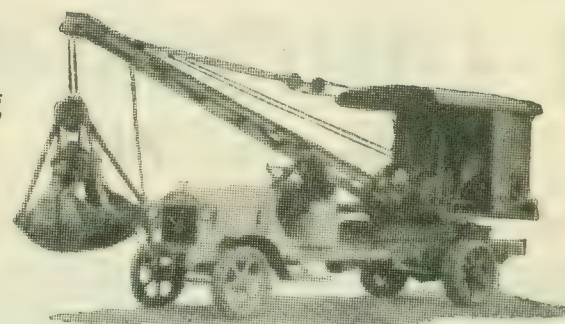
East 7785

Excavating

Steel
Erecting

Trench
Work

Car
Unloading


CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB

First Cost
The Last Cost



Guaranteed by
the Manufacturer

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
OVERHEAD DOOR SALES OF PHILADELPHIA

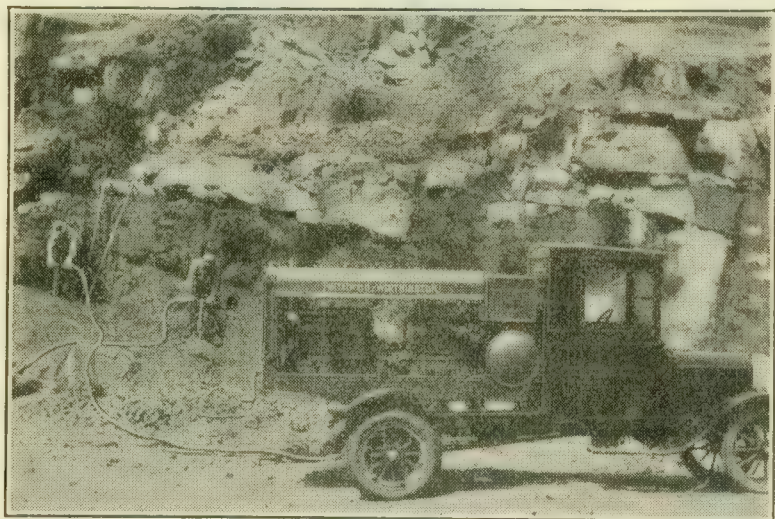
NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

Phone : Rit. 2295

Demonstrating Door in Our Show Room

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 38

PHILADELPHIA
September 21, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House, Eighteenth and Rittenhouse streets, \$6,000,000. Architects, Schultz & Weaver, New York. Associate architects, Silverman & Levy, 338 South Smedley street, Philadelphia. Owners, Corporation, care of architect. 40 apartments, 22 stories. Preliminary plans in progress. Work contemplated.

Building (add.), Twelfth and Cherry streets, Philadelphia. Owners, Globe Ticket Co., W. A. Hering, president, 116 North Twelfth street. Work contemplated.

Garage, Lancaster avenue, between Sixty-first and Sixty-second streets, Philadelphia. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, steel, 1 story, slag roof, concrete floors, electric light. Plans in progress. Too early for details.

Club House (int. alts.), Fox Chase, Pa., \$10,000. Architect, C. H. Fries, Frankland and Oxford avenue, Philadelphia. Owners, Northeast Shrine Club, Hunting Park and Fillmore street. General interior alts., mill work, electric light, hot water heat, hardwood floors, plastering, plumbing. Plans in progress.

Stores (20), Apartments (11), Arcade (alts. and add.), Oxford and Griscom streets, Philadelphia, \$125,000. Architect, C. H. Fries, Oxford and Frankford avenue, Philadelphia. Owner, name withheld. Face brick, limestone, 28x118 feet, 128x265x183x90 feet, irregular, slag roof, terrazzo, hardwood, cement and

composition floors, vapor vacuum heat, electric light, tile and marble work, ornamental plaster. Plans in progress. Ready for bids in a month.

Home (add.), Jewish Hospital, Old York road, Philadelphia. Architects, Silverman & Levy, Elrae Building, Philadelphia. Owners, Lucien Moss Home, A. Greenbaum, on premises. Brick, limestone, 3 stories and basement and solarium, 40x85 feet, built-up roof, terrazzo floor, steam heat, electric light. Ready for bids in two weeks.

Dairy Building (alts.), 3225 York road, Philadelphia. Architect, William H. Timms, Perry Building, Philadelphia. Owners, Harrison Dairies, on premises. General alterations. Revised plans in progress.

Factory, York and Jasper streets, Philadelphia. Architect, H. M. Wilson, Peoples Bank Building, Philadelphia. Owners, Penn Worsted Co., on premises. Brick, 5 stories, 33x150 feet. Architect taking sub-bids.

Bridge (Henry ave.), over Wissahickon Creek, \$1,500,000. Architects, R. Modjeski and Chase, 1420 Walnut street, Philadelphia. Owners, Department of Public Works, J. Vogelsson, City Hall, Philadelphia. Consulting architect, Paul Cret, 112 South Sixteenth street, Philadelphia. Double deck, reinforced concrete and stone, 1,080 feet long, 80 feet wide, arch 91 feet wide, 185 feet high. Plans completed. Will be ready for bids in two weeks.

Building, Northwest Corner Twentieth and

Chestnut streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Joseph Bernhard, Thirteenth and Chestnut streets, Philadelphia. Brick, granite, steel, 2 stories and basement, 150x20 feet, slag roof, cement floors, metal weatherstrip, architectural terra cotta, electric light, metal lath, tile and marble work (plumbing and heating reserved), bond, ornamental iron work, area gratings, sprinklers, caulking. Architect taking bids due September 22nd at noon.

Garage, Rochelle street, East side Wissahickon avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Goldstein Brothers, care of architect. Brick, steel, 1 story, 215x103 feet, wing 240x115 feet, slag roof, cement floors, plumbing, steam heat, electric light, rolled steel sash, ornamental iron work. Architect taking bids due as soon as possible.

Service Station, Fiftieth and Haverford avenue, Philadelphia. Engineer, T. J. O'Connell, Baltimore, Md. Owners, American Oil Co., American Building, Baltimore, Md. Brick, stucco, steel, 1 story, 16x16 feet, metal lath, metal tile roof, gas steam heat, electric light, bond, cement floors, ornamental iron work, waterproofing. Permit issued.

Theatre Building and Dressing Room, Southeast Corner Quince and Walnut streets, Philadelphia, \$550,000. Architect, Herbert J. Krapf, 1 West Forty-seventh street, New York. Owners, Shubert Theatre Corp., 225

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.
1729-31 Sansom Street, Philadelphia
BELL PHONE, RITTENHOUSE 7630
KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

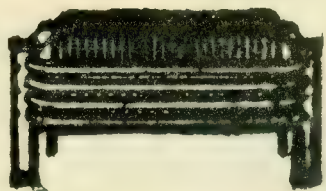
**Structural
Steel**

ROBT. B. LEDERLE & CO.
ENGINEERS AND CONTRACTORS
WITHERSPOON BUILDING
PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



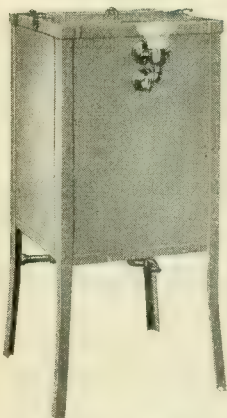
FOR

**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Everything

for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Ap-
pearance of Concrete, Stucco and Other
Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive
Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

Regent 7450

Philadelphia, Pa.

Park 5351

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

West Forty-fourth street, New York. Brick, cut stone, steel, 1 story, balcony and basement, 143x105 feet, 4 stories and basement, 105x20 feet (plumbing, heating, electric reserved), metal lath, tile work, rolled steel sash, bond, ornamental iron work, cement floors, slag roof. Permit issued.

Theatre, Store and Garage, Eighth and South streets, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Remy Theatre Co., Mr. H. Bachman, North American Building, Philadelphia. Brick, stone, steel, limestone, 1 story, balcony and basement, 244x74 feet, gypsum asbestos roof, cement and pine floors, plumbing, rolled steel skylights, kalamein doors, bond, iron stairs, ornamental iron work, wrought iron pipe, bronze work, area gratings, sprinkler system, rolling steel shutters, steel toilet partitions. Owners taking new bids due September 22nd.

Warehouse and Office (alts. and add.), 233-35 North Twenty-third street, Philadelphia. Owners, Keasby & Mattison Co., on premises. Carpentry and mill work, painting, glazing, plastering, concrete and brick work, elevator. Owners taking revised bids due as soon as possible.

Residences (50), Seventy-third avenue, West of Andrews avenue, Philadelphia, \$202,000. Architect, private plans. Owners, W. B. Davenport & Son, 6612 Wayne avenue, Philadelphia. Brick, 2 stories, 15x26 feet, 11x9 feet. Permit issued.

Residences (6), North side Fairview, North of Fuller street, Philadelphia, \$27,000. Architect, private plans. Owner, Robert Gerke, Hegerman and Tyson streets, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, electric light, tile work. Owners will build.

Residences (2), South side Haddington, West of Fifty-seventh street, Philadelphia, \$6,000. Architect, private plans. Owner, Richard C. Harrigan, 6050 Girard avenue, Philadelphia. Brick, 2 stories, 16x30 feet, hot water heat, hardwood floors. Permit issued.

Residences (2), Edington, East of Thompson street, Philadelphia, \$5,000. Owner, Vincent Lutvin, 4348 Edgemont street, Philadelphia. Brick, 2 stories, 14x47 feet, hot water heat, electric light. Permit issued.

Storage, 1924 East Willard street, Philadelphia, \$3,000. Architect, private plans. Owner, Andrew J. Hunkel, 2057 East Allegheny avenue. Brick, 2 stories, 19x75 feet, electric light. Permit issued.

Office and Shed (add.), 2018 Sansom street, Philadelphia, \$7,800. Architect, private plans. Owners, Henry S. Rau Co., Inc., 1937 Market street, Philadelphia. Brick, 1 story, 46x29 feet, electric light, carpentry and mill work. Permit issued.

Apartment House, Southeast Corner Thirty-ninth and Sansom streets, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Samuel Levick, Bankers' Trust Building, Philadelphia. Brick, east stone, steel, cut stone, 10 stories and basement, 90x42 feet, slag roof, cork, oak, pine floors, elevators, metal weather strip, dampproofing, wrought iron pipe, ornamental iron work, bond, fire doors, rolled steel sash, tile and marble work, metal lath, electric light, steam heat, metal lath, incinerator, plumbing, cast travertine. Architect taking bids due as soon as possible.

Store Building, 3 and 5 West Maplewood street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Chelton Trust Co., 5614 Germantown avenue, Philadelphia. Brick, steel, limestone, 2 stories and basement, 58x80 feet, slag roof, cement and oak floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Architects taking bids due September 21st.

Residence (alts. and add.), 109-11 Mt. Airy avenue, Philadelphia. Architect, private plans. Owner, J. M. Cleeves, 109 Mt. Airy avenue, Philadelphia. Brick, stucco, 3 stories, 30x65 feet, 22x65 feet, general alterations, hot water heat, electric light, tile work, copper roof, hardwood floors, electric light, cement, steel and stone work, enclosed porches. Owner taking bids due as soon as possible.

Apartment House, 5321 Wayne avenue, Philadelphia, \$100,000. Architect, Ralph Goldberg, 266 South Fifteenth street, Philadelphia. Owner, I. G. Schorsch, Packard Building, Philadelphia. Brick, steel, terra cotta, 4 stories, 60x152 feet, hardwood floors, elevators, electric light, hot water heat, tile work. Owner taking sub-bids.

Residence and Garage, West side Crestmont, South of Meadow lane, \$22,200. Architect, private plans. Owners, Crestmont Farms Imp. Co., Torresdale, Pa. Stucco, 3 stories, 57x24 feet, 1 story, 20x20 feet, hot water heat, electric light, tile work. Permit issued.

Residence and Garage, Meadow lane, East of Crestmont avenue, \$16,600. Architect, private plans. Owners, Crestmont Farms Imp. Co., Torresdale, Pa. Frame, 3 stories, 43x30 feet, 1 story, 20x20 feet, hot water heat, electric light, carpentry and mill work. Permit issued.

Miscellaneous Work, piers, Philadelphia. Owners, Department of Wharves, Docks and Ferries, 4 South Wharves, Philadelphia. Owners taking bids due September 26th at noon. Certified check, 5 per cent. A: Rolling doors, Cherry Street Pier No. N. B: Exterior paint-

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

West Forty-fourth street, New York. Brick, cut stone, steel, 1 story, balcony and basement, 143x105 feet, 4 stories and basement, 105x20 feet (plumbing, heating, electric reserved), metal lath, tile work, rolled steel sash, bond, ornamental iron work, cement floors, slag roof. Permit issued.

Theatre, Store and Garage, Eighth and South streets, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Remy Theatre Co., Mr. H. Bachman, North American Building, Philadelphia. Brick, stone, steel, limestone, 1 story, balcony and basement, 244x74 feet, gypsum asbestos roof, cement and pine floors, plumbing, rolled steel skylights, kalamein doors, bond, iron stairs, ornamental iron work, wrought iron pipe, bronze work, area gratings, sprinkler system, rolling steel shutters, steel toilet partitions. Owners taking new bids due September 22nd.

Warehouse and Office (alts. and add.), 233-35 North Twenty-third street, Philadelphia. Owners, Keasby & Mattison Co., on premises. Carpentry and mill work, painting, glazing, plastering, concrete and brick work, elevator. Owners taking revised bids due as soon as possible.

Residences (50), Seventy-third avenue, West of Andrews avenue, Philadelphia, \$202,000. Architect, private plans. Owners, W. B. Davenport & Son, 6612 Wayne avenue, Philadelphia. Brick, 2 stories, 15x26 feet, 11x9 feet. Permit issued.

Residences (6), North side Fairview, North of Fuller street, Philadelphia, \$27,000. Architect, private plans. Owner, Robert Gerke, Hegerman and Tyson streets, Philadelphia. Brick, 2 stories, 16x42 feet, hot water heat, electric light, tile work. Owners will build.

Residences (2), South side Haddington, West of Fifty-seventh street, Philadelphia, \$6,000. Architect, private plans. Owner, Richard C. Harrigan, 6050 Girard avenue, Philadelphia. Brick, 2 stories, 16x30 feet, hot water heat, hardwood floors. Permit issued.

Residences (2), Edington, East of Thompson street, Philadelphia, \$5,000. Owner, Vincent Lutvin, 4348 Edgemont street, Philadelphia. Brick, 2 stories, 14x47 feet, hot water heat, electric light. Permit issued.

Storage, 1924 East Willard street, Philadelphia, \$3,000. Architect, private plans. Owner, Andrew J. Hunkel, 2057 East Allegheny avenue. Brick, 2 stories, 19x75 feet, electric light. Permit issued.

Office and Shed (add.), 2018 Sansom street, Philadelphia, \$7,800. Architect, private plans. Owners, Henry S. Rau Co., Inc., 1937 Market street, Philadelphia. Brick, 1 story, 46x29 feet, electric light, carpentry and mill work. Permit issued.

Apartment House, Southeast Corner Thirtieth and Sansom streets, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Samuel Levick, Bankers' Trust Building, Philadelphia. Brick, cast stone, steel, cut stone, 10 stories and basement, 90x42 feet, slag roof, cork, oak, pine floors, elevators, metal weather strip, dampproofing, wrought iron pipe, ornamental iron work, bond, fire doors, rolled steel sash, tile and marble work, metal lath, electric light, steam heat, metal lath, incinerator, plumbing, cast travertine. Architect taking bids due as soon as possible.

Store Building, 3 and 5 West Maplewood street, Philadelphia. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Chelton Trust Co., 5614 Germantown avenue, Philadelphia. Brick, steel, limestone, 2 stories and basement, 58x80 feet, slag roof, cement and oak floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Architects taking bids due September 21st.

Residence (alts. and add.), 109-11 Mt. Airy avenue, Philadelphia. Architect, private plans. Owner, J. M. Cleaves, 109 Mt. Airy avenue, Philadelphia. Brick, stucco, 3 stories, 30x65 feet, 22x65 feet, general alterations, hot water heat, electric light, tile work, copper roof, hardwood floors, electric light, cement, steel and stone work, enclosed porches. Owner taking bids due as soon as possible.

Apartment House, 5321 Wayne avenue, Philadelphia, \$100,000. Architect, Ralph Goldberg, 266 South Fifteenth street, Philadelphia. Owner, I. G. Schorsch, Packard Building, Philadelphia. Brick, steel, terra cotta, 4 stories, 60x152 feet, hardwood floors, elevators, electric light, hot water heat, tile work. Owner taking sub-bids.

Residence and Garage, West side Crestmont, South of Meadow lane, \$22,200. Architect, private plans. Owners, Crestmont Farms Imp. Co., Torresdale, Pa. Stucco, 3 stories, 57x24 feet, 1 story, 20x20 feet, hot water heat, electric light, tile work. Permit issued.

Residence and Garage, Meadow lane, East of Crestmont avenue, \$16,600. Architect, private plans. Owners, Crestmont Farms Imp. Co., Torresdale, Pa. Frame, 3 stories, 43x30 feet, 1 story, 20x20 feet, hot water heat, electric light, carpentry and mill work. Permit issued.

Miscellaneous Work, piers, Philadelphia. Owners, Department of Wharves, Docks and Ferries, 4 South Wharves, Philadelphia. Owners taking bids due September 26th at noon. Certified check, 5 per cent. A: Rolling doors, Cherry Street Pier No. N. B: Exterior paint-

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

Philadelphia. Brick, steel, 2 stories and basement, 60x80 feet, slag roof, cement floors, plumbing (heating, electric reserved), metal lath, rolled steel sash, bond, ornamental iron work. Contract awarded Murphy-Quigley Co., 1518 Sansom street, Philadelphia.

Residences (alts. and add.), 131 South Twenty-second street, Philadelphia, \$5,000. Architects, Wallace & Warner, Franklin Trust Building, Philadelphia. Owner, Dr. C. Coy Hunsicker, 131 South Twenty-second street, Philadelphia. Brick work, bronze entrances, caenstone, carpentry and cabinet work, cut stone, electric work, hardware, mill work, painting, glazing, structural steel, plastering, metal lath, copper skylights, tile, marble and terrazzo work, vapor heat, iron stairs. Contract awarded T. B. Monaghan, 2009 Sansom street, Philadelphia.

Church (alts. and add.), Broad and Butler streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Stephen's Church, Rev. Monsignor J. A. McCullough, on premises. Stone, limestone, granite, steel (heating, electric reserved), slate roof, cement and pin floors, plumbing, waterproofing and dampproofing, ornamental iron work, iron stairs, bond, tin clad and kalamein doors, marble and terrazzo work, metal lath. Contract awarded B. J. McKenna, 2643 North Hutchinson street.

Parsonage and Sunday School, Luzerne and M streets, Philadelphia. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Nazareth Evangelical Lutheran Church, on premises. Stone, 2 stories and basement, 48x30 feet, 50x62 feet, slate roof, pine, cement floors, metal lath, bond, ornamental iron work. Contract awarded J. Y. Loux, Fifteenth and Hunting Park avenue, Philadelphia.

Apartment House and Store Building (alts. and add.), Maplewood avenue, Greene street, Germantown, Philadelphia. Architect, A. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Robert Cherry, Jr., care of architect. Brick, cut stone, steel, reinforced concrete, 2 stories and basement, 30x45 feet, slag roof, linoleum, cement and oak floors, plumbing, steam heat, slag roof, linoleum, electric light, metal lath, tile work, hollow metal sash and doors, bond, ornamental iron work, dumb waiter, kitchen equipment. Contract awarded J. Sims Wilson, 1125 Brown street, Philadelphia.

Store and Apartment (alts.), 264 South Sixteenth street, Philadelphia. Architect, private plans. Owner, Marie Seibel, on premises. Plate glass, flagstone, carpentry and mill work, painting, glazing. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Home (alts. and add.), 6713 Woodland avenue, Philadelphia. Architects, Stewardson & Page, 315 South Fifteenth street, Philadelphia. Owners, Chapin Memorial Home for the Aged Blind, on premises. Stone, brick, cut stone, steel, iron work, concrete and cement work, kalamein and fire doors, carpentry and mill work, painting, glazing, bond, membrane waterproofing, metal lath, Barrett specification roof, pine floors, hot water heat, 2 stories and basement, 22x50 feet. Contract awarded W. R. Dougherty, 1608 Sansom street, Philadelphia.

Residence (alts.), 8146 High School road, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owner, Joseph B. Haber, on premises. Stucco work, ornamental iron work, bond, waterproofing, cement coating, painting. Contract awarded Smith-Hardican Co., 1809 Callowhill street.

Gas Station, Southeast Corner Twenty-seventh and South streets, Philadelphia. Architect, private plans. Owner, name withheld. Brick, 1 story, 16x10 feet, Spanish tile roof, cement floors, gas steam heat, electric light. Contract awarded Irving Demarest, 10 South Eighteenth street, Philadelphia.

Fire Truck and Pipe Line Station, 2003-05 North Second street, Philadelphia. Architect, City Architect John Molitor, 1315 Walnut street, Philadelphia. Owners, Bureau of Fire, Department of Public Works, Philadelphia. Contracts awarded: McCormick-Lenham, Broad and Tasker streets, Philadelphia; plumbing, J. Brugger, 2124 East Cumberland street, Philadelphia, \$3,700; heating, Charles McCarthy, Otis Building, Philadelphia, \$2,949; electric, Industrial Elec. Co., 2710 South Darien street, \$1,630.

School, Twelfth, Ogden and Myrtle streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, limestone, granite, steel, 3 stories and basement, 167x63 feet. Contract awarded William Langhorne, 10 South Eighteenth street, Philadelphia, \$322,000; plumbing, Bulman Brothers, Fifth and Cumberland streets, Philadelphia, \$14,144; heating, Fred Wackenhutt, 2416 Frankford avenue, Philadelphia, \$30,335; ventilating, Mellon Co., 4415 Ludlow street, Philadelphia, \$1,331; electric, Walker-Kepler, 531 Chestnut street, Philadelphia, \$5,983; retaining wall, Germantown High School, Kaufman Const. Co., Pennsylvania Building, Philadelphia, \$15,880.

Manufacturing Building, Belfield and Windrim avenue, Philadelphia, \$23,000. Architect, private plans. Owner, Henry Constein, 6827 North Eighteenth street, Philadelphia. Brick, 1 story, 82 x irreg. Contract awarded Beling Bush Co., Inc., Drexel Building, Philadelphia.

Residences (4), Ferndale, South of Stamwood street, Philadelphia, \$14,000. Architect, private plans. Owner, John Corbett, 833 Fanshaw street, Philadelphia. Brick, 2 stories, 16x25 feet, hot water heat, electric light. Contract awarded Louis Seifin, 1334 Cottman street, Philadelphia.

Residence, Southeast Corner Sixty-fifth and Beaumont terrace, Philadelphia, \$13,200. Ar-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-TeX Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phone—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

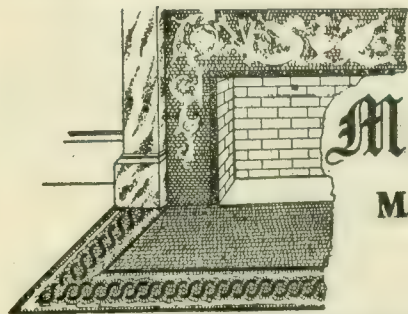
DAILY BUILDING NEWS LEADS TO BUSINESS

DAILY BUILDING NEWS

1530 CHESTNUT STREET

PHILADELPHIA

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature.



Italian Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

BUILD WITH ST. MARTINS BUILDING STONE "Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If h
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegrate
of Truscon STONETEX.

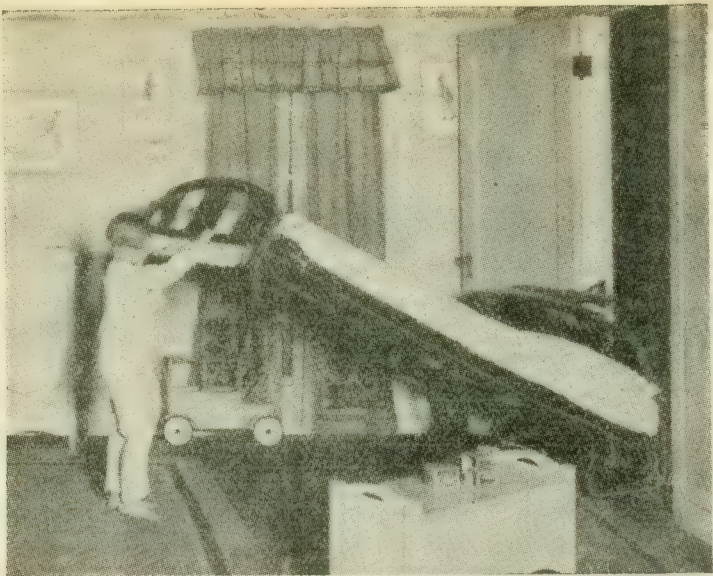
STONETEX is the masonry coating. Not or
from being absorbed into concrete, stucco or brick, b
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

BEDS

omes
rings

call at our
lain kitchen
g boards as
Beds

D CO.
ley Building
t 44th Street
ew York
R BED



A child can operate the bed

nfortable, Convenient
here represented sell
d Specified Materials or
elt of their co-operation.



NETEX

urfaces

checks are beginning to show,
ing Truscon STONETEX.
and the concrete is spalling
n stopped by the application

does it prevent moisture
t also covers the surface
dries flat. It does not
like masonry.



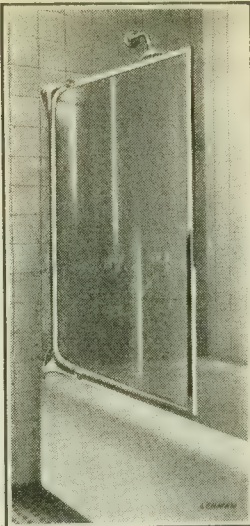
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

Face Brick Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975 Kensington 2343

chitect, private plans. Owner, John C. Foster, 2134 South Sixty-fifth street, Philadelphia. Stone, brick, 3 stories, 17x40 feet, hot

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
 "THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
 Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

water heat, electric. Contract awarded Horace Do Caro, 2134 South Sixty-fifth street, Philadelphia.

Store (add.), 3327 Kensington avenue, Philadelphia, \$7,000. Architect, private plans. Owners, Westmoreland Housefurnishing Co., on premises. Brick, 3 stories, 16x49 feet, electric light, carpentry and mill work. Contract awarded William Carr, 3550 Jasper street, Philadelphia.

Alterations to Tank in Garage, Southeast Corner Sixteenth and Jasper streets, Philadelphia, \$6,600. Architect, private plans. Owners, Philadelphia Rapid Transit Co., Eighth and Dauphin streets, Philadelphia. Contract awarded Pittsburgh-Des Moines Steel Co., 50 Church street, New York.

Garage, 2903 West Susquehanna avenue, Philadelphia, \$3,000. Architect, private plans. Owner, S. Goss, on premises. Brick, 1 story, 90x60 feet, electric light, cement work. Contract awarded Jackson Brothers, 2428 Harlan street, Philadelphia.

Factory, Rorer street, South of Ontario street, Philadelphia, \$20,000. Architect, private plans. Owners, Schlatter Dyeing Co., on premises. Brick, 2 stories, 78x48 feet, electric light, carpentry and mill work, steam heat. Contract awarded F. Crompton & Bro., 4614 Oakland street, Philadelphia.

Office (alts.), 237 South Fourth street, Philadelphia, \$18,000. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. General interior alterations. Contract awarded Haverstick & Borthwick, Schaff Building, Philadelphia.

Residences (2), Linden, West of Jackson street, Philadelphia, \$8,000. Architect, private plans. Owner, H. W. Genter, 9239 Frankford avenue, Philadelphia. Brick, 2 stories, 16x37 feet, hot water heat, electric light, carpentry and mill work. Contract awarded A. W. J. Williams, 4011 Linden avenue, Philadelphia.

Store, Southeast Corner Oxford and Loretto streets, Philadelphia, \$5,000. Architect, private plans. Owners, American Stores Co., 424 North Nineteenth street, Philadelphia. Brick, 1 story, 25x55 feet, carpentry and mill work, electric light. Contract awarded A. B. Kister, 424 North Nineteenth street, Philadelphia.

Storage Building (heating system), 115-17 South Nineteenth street, Philadelphia, \$3,000. Architect, private plans. Owners, Brown Sisters, on premises. Contract awarded Brown & Boyer Co., Spring City, Pa.

Elevator Shaft, 34-36 South Seventeenth street, Philadelphia, \$2,500. Architect, private plans. Owners, F. P. Mellon Estate, 1712 Ludlow street, Philadelphia. Contract awarded

ed George L. Dougherty, 2041 Moravian street.

Residence (alts.), 5328 Greene street, Philadelphia, \$2,000. Architect, private plans. Owners, Harrison, Neely & Emley, 1713 Sansom street, Philadelphia. General alterations. Contract awarded Fred Elvidge, 5409 Germantown avenue.

Store Building, 5309 Oxford street, Philadelphia, \$4,000. Architect, private plans. Owner, Jeane Levinthal, Real Estate Trust Building, Philadelphia. Brick, 1 story, 24x38 feet, electric light, carpentry. Contract awarded Weiss Constr. Co., 901 Walnut street, Philadelphia.

Store and Residence (add.), 5216 Market street, Philadelphia, \$2,100. Architect, private plans. Owner, Sam Cotlan, on premises. Brick, 1 story, 3x34 feet, general alterations. Contract awarded A. Gorelick, 3876 Wyalusing avenue, Philadelphia.

Store, 2033 East Cheltenham avenue, Philadelphia, \$2,900. Owner, A. Louis Kurzenknabe, on premises. Brick, 1 story, 15x16 feet, electric light, carpentry and mill work. Contract awarded Frank Achuff, 1606 North Front street, Philadelphia.

Garage (add.), 6544 Overbrook avenue, Philadelphia, \$2,200. Owner, Fred Gane, on premises. Brick, 1 story, 20x22 feet, cement work. Contract awarded Warren Biscoe, 4222 Brown street, Philadelphia.

Residence and Store (add.), 8117 Germantown avenue, \$6,000. Architect, private plans. Owner, James J. Smith, on premises. Brick, 2 stories, 24x13 feet, electric light, carpentry. Contract awarded Chestnut Hill Const. Co., 8014 Roanoke street, Philadelphia.

Residence, 2831 Mercer street, Philadelphia, \$4,000. Architect, private plans. Owner, G. Ciccimbelli, 2830 East Thompson street, Philadelphia. Brick, 2 stories, 18x36 feet, electric light, carpentry and mill work. Contract awarded J. Campelli, 1520 Mercer street, Philadelphia.

Factory (add.), Twentieth and Tasker streets, Philadelphia, \$4,000. Owners, Watrous Varnish Co., on premises. Brick, 2 stories, 14x22 feet, electric light, general alterations. Contract awarded H. F. Dinkelacker, Ruan and Leiper streets, Philadelphia.

Loft Building, N. W. corner 13th and Race streets, Phila. Architect, Charles E. Oelschlager, 1615 Walnut street, Phila. Owner, Benj. Segal, Penna Building, Phila. Brick, steel, concrete, 15 stories, 100x112 feet, slag roof, concrete floors, hollow tile, elevators, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, ornamental iron work. Contract awarded J. N. Gill Const. Co., City Center Building, Phila.

Storage, Cayuga street, E. of Phillips street, Phila., \$6,000. Owner, Clover Coal Co., 2nd and Cayuga streets, Phila. Concrete, 18 feet high, 40 feet in diameter. Contract awarded Neff & Fry, Cowden, Ohio.

Gas Station, 20th and Haines streets, Phila., \$6,000. Owner, Riba Olshan, 6859 N. 20th street, Phila. Brick, 1 story, 12x45 feet, irregular, cement work, electric light. Contract awarded F. V. Radomski, 4329 N. 16th street, Phila.

Residence and Store (alts.), 27th and Oakford street, Phila., \$2,500. Architect, private plans. Owner, Theodore Leiger, on premises. General alterations. Contract awarded Harold Clymer, 2407 S. Marshall street, Phila.

The man with an order to place doesn't hunt you up in the city directory these days. He hasn't the time. If he can't find you in your trade magazine he can and does find somebody else, and that somebody else books the order.

Pennsylvania Construction News

Technical School (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, School Board of School Control, F. T. Magovern, president, Administration Building, Scranton, Pa. Architect selected.

Residence (alt. and add. to Hospital), Pittston, Pa. Architect, E. J. Rutherford, Scranton Real Estate Building, Scranton, Pa. Owners, St. John's Kehoe Memorial Hospital, Rev. Dr. P. C. Winters, Pittston, Pa. Vapor heat, electric light, built-up roof, tile and linoleum floors, 2 stories and basement, 20x40 feet. Plans in progress.

Church, Alteration to School (alts. and add.), Mt. Pleasant, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Mt. Pleasant School District, J. D. Brenneman, Mt. Pleasant, Pa. Frame, 2 stories, 2-room add., asphalt roof, pine floors, electric light. Plans in progress.

Sunday School, Lansdowne, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, First Presbyterian Church, Rev. W. B. Sandford, Lansdowne, Pa. Stone. Plans in progress.

School (grade), No. 32, and Gym, Scranton, Pa., \$400,000. Architect, F. J. Miller, Brooks Building, Scranton, Pa. Owners, Scranton School Board, J. Hughes, Administration Building, Scranton, Pa. Fireproof, 2 and 3 stories, 166x142 feet (heating, plumbing, electric separate), built-up roof, maple floors, hollow tile, roof ventilators, safety treads, metal window guards, metal weather strip, waterproofing, metal lath, tile work, rolled steel sash, hollow metal skylights, fire doors, bond, iron stairs, ornamental iron work, bronze work, area gratings. Plans in progress. Ready for bids in two months.

Hospital (alts. and add.), Allentown, Pa. Architects, Jacoby & Everetts, Commonwealth Building, Allentown, Pa. Owners, Dr. Baer Hospital, Allentown, Pa. Reinforced concrete brick, steel, 3 stories and basement, 38x40 feet add. (heating, plumbing, electric and elevators separate), Barrett specification roof, linoleum floors, elevator shaft and doors, architectural terra cotta, cast stone, kalamein doors, cinder concrete block, tile work, rolled steel sash. Plans in progress. Ready for bids in a week.

Nurses' Home (alts. and add.), Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Sacred Heart Hospital, Allentown, Pa. Brick, steel, concrete, 4 stories, 38x108 feet (heating, plumbing, electric and elevators reserved), built-up roof, concrete floors, hollow tile, elevators, safety treads, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, kalamein doors, waterproofing, dampproofing, stone trim. Architects taking bids due September 26th.

Theatre (alts.), Bloomsburg, Pa. Architect, private plans. Owners, Cumerford Amusement Co., Scranton, Pa. Metal lath, tile and marble work, plastering, painting, glazing, limestone, carpentry and mill work. Owners taking bids due September 16th.

Garage (alts.), Wynnwood, Pa. Architect, Arthur H. Brockie, 254 South Fifteenth street, Philadelphia. Owner, Walter H. Lipincott, 410 Chestnut street, Philadelphia. Architect taking bids due September 22nd.

Store and Apartment, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Lehigh Candy Co., Mr. Knight, Allentown, Pa. Brick, steel, concrete, 4 stories, 40x115 feet, slag roof, pine floors, hollow tile, safety treads, waterproofing and dampproofing, cast stone, incinerator, iron stairs, ornamental iron work, metal lath, tile work, electric light. Owners subletting.

School and Auditorium, Larksville, Luzerne County, Pa. Architect, James Boyle, Bennett Building, Wilkes-Barre, Pa. Owners, Larksville School Board, Larksville, Pa. Brick, veneer, steel, 2 stories and basement, 149x149 feet, slag roof, maple floors, hollow tile, safety treads, roof ventilators, electric light, metal lath, bond, metal stairs, limestone, waterproofing, safety treads, roof ventilators. Plans in progress. Ready for bids in about a week.

Church, Sharpsville, Pa. Architects, C. W. Bolton & Son, 1329 Race street, Philadelphia. Owners, Reformed Church, Sharpsville, Pa. Brick, stone, 1 story. Plans in progress.

Residence Development, Spring Mill road and Conestoga road, Villa Nova, Pa. Architect, private plans. Owners, Flanigen & Flanigen, 1309 Locust street, Philadelphia. Stone, various sizes. Approximately \$30,000 to \$60,000. Work contemplated.

Auto Sales Buildings (3), Baltimore avenue, Lansdowne, Pa. Architect, H. L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, August Wright, Lansdowne, Pa. Owner subletting.

School (add.), Eddystone, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Building, Philadelphia. Owners, Board of Education, Eddystone, Pa. Brick, steel, limestone, granite, 94x53 feet, wing 99x40 feet. Low bidders: S. Sidley Lewis, 121 North Broad street, Philadelphia, \$82,478; F. J. Kerr, Eddystone, Pa., \$87,840; plumbing, J. H. Covington, Eddystone, Pa., \$7,450; heating and ventilating, American Heating & Ventilating Co., Schaff Building, \$20,946; electric, Nathan Pechin, care of owner, \$5,222.75.

School, No. 42 (add.), Scranton, Pa. Architect, A. J. Ward, County Bank Building, Scranton, Pa. Owners, Scranton School Board, 425 North Washington avenue, Scranton, Pa. Brick, steel, 2 stories, 8 rooms. Low bidders: J. J. Gibbons, Old Forge, Pa., \$91,059; elec-

tric, Hartman Elec. Const. Co., 500 Lock A avenue, Scranton, Pa., \$3,950; heating, H. M. Gardner, 920 Green Ridge, Scranton, \$20,626; plumbing, E. A. Campagna, 818 West Lacks avenue, Scranton, \$4,343.

Hospital, Carbondale, Pa., \$300,000. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, E. J. Healy, 5 North Main street, Carbondale, Pa. Brick, concrete, steel, 5 stories, 42x200 feet, Barrett specification roof, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, fire doors, iron stairs, waterproofing, dampproofing, roof ventilators, safety treads, elevators and dumb waiters, hollow tile, concrete, linoleum and terrazzo floors. Architect taking revised bids due September 26th.

Power House, Carbondale, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, E. J. Healy, 5 North Main street, Carbondale, Pa. Brick, concrete, steel, 1 story, 45x50 feet, slag and Barrett roof, concrete floors. Architect taking revised bids due September 26th.

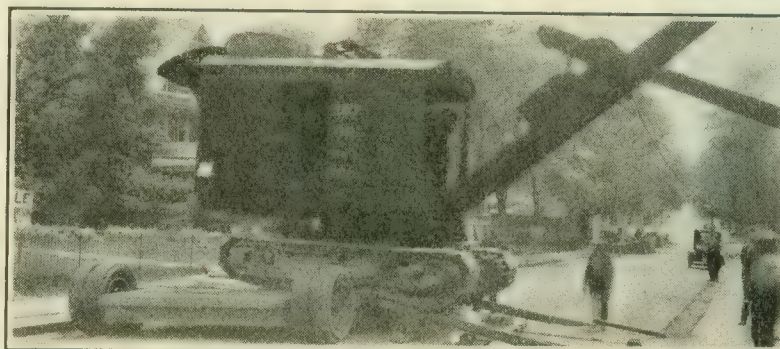
Laundry, Retreat, Pa. Architect, A. L. Reilly, Bennett Building, Wilkes-Barre, Pa. Owners, Central Poor District, Retreat, Pa. Brick, steel, concrete, 1 and 2 stories, 97 feet 4 inches x 42 feet 4 inches (heating, plumbing and electric reserved), asphalt roof, concrete floors, electric light, rolled steel sash, laundry equipment, floor hardener. Architect taking bids due September 22nd.

Supplies, Pennsylvania. Owners, State of Pennsylvania, Department of Property and Supplies, B. E. Taylor, Harrisburg, Pa. Owners taking bids due September 27th at noon. Laboratory and engineering supplies, hard-

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

ware supplies, lumber supplies, general supplies, electric, plumbing and heating supplies. Certified check or bond.

Storm Drain, Yeadon, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners, Borough of Yeadon, W. H. Dann, Yeadon, Pa. Owners taking bids due September 22nd, 7 P. M. (Standard Time). 7-inch reinforced concrete construction of storm drain, Church lane, from Bunting lane to Cobb's Creek. Certified check, \$700.

New Foundations and Removing Residence, Springfield, Delaware County, Pa. Engineers, Damon & Foster, Upper Darby, Pa. Owners,

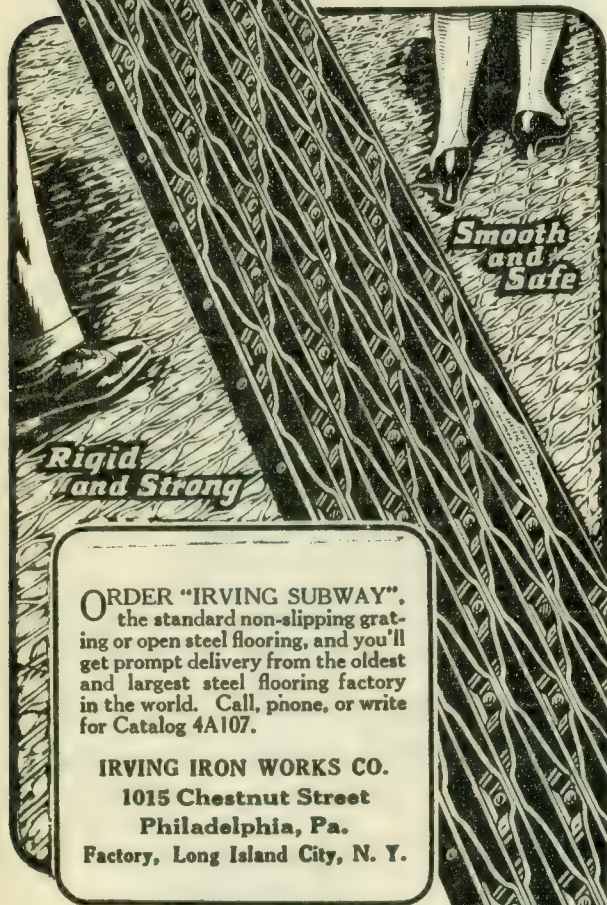
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings —*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

Township of Springfield, J. Calder, Springfield, Pa. Owners taking bids due September 21st, 7 P. M. (Standard Time). Certified check, \$100.

Pennsylvania Contracts Awarded

Stores (2), 134 North Sixth street, Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, H. Pressman, Allentown, Pa. Brick, steel, 2 stories, 30x70 feet, slag roof, pine floors, steam heat, electric light, tile work, plate glass. Contract awarded Joseph Kahn, 1736 Chew street, Allentown, Pa.

Fire Tower, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Commonwealth Building, Allentown, Pa., care of architect. Steel, brick, 7 stories, 78x14 feet, built-up roof, elevators, doors, stair enclosure, iron stairs. Contract awarded Ochs Const. Co., 440 Wire street, Allentown, Pa.

Warehouse, Allentown, Pa. Architect, David Levy, 25 North Sixth street, Allentown, Pa. Owners, Prince Furniture Co., 520 Hamilton street, Allentown, Pa. Brick, steel, 2½ stories, 47x90 feet, slag roof, wood floors, electric light, steel sash, cast stone. Contract awarded F. G. Yeakel, 711½ North Twelfth street, Allentown, Pa.

Fraternity House, State College, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Theta Kappa Pi Fraternity, State College, Pa. Stone, steel, 3 stories, 120x34 feet, slate roof, oak floors, cut stone, iron stairs, tile work, electric light. Contract awarded F. D. Beyer, Tyrone, Pa.

Twin Residences (50), Shillington, near Reading, Pa. Architect, private plans. Owners, Sigmund and Ed Morris, Reading, Pa. Brick, 2 stories and basement, 40x18 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, stanco tile. Contract awarded Wills-Bill Co., 1706 Sansom street, Philadelphia.

Residence, Elkins Park, Pa. Architect, Robert Rodes McGoodwin, 1600 Walnut street, Philadelphia. Owner, Richards C. Kelly, care of architect. Stone, 2½ stories and basement, 49x28 feet, 18x60 feet, slate roof, oak and pine floors, plumbing, vapor heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded C. L. Hemmerle, Melrose Park, Pa.

Residence, Ardmore, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, William H. Wilson Co., 1617 Walnut street, Philadelphia. Brick, 2 stories, 79x27 feet, shingle roof, hardwood floors, vapor heat, electric light, tile and marble work. Contract awarded John E. Kearney, Wynnewood, Pa.

Store Building, Jenkintown, Pa. Architect, L. Walton Heiss, Jenkintown, Pa. Owner, J. Howard Hay, Jenkintown, Pa. Contract awarded F. W. Carman, Jenkintown, Pa.

Amusement Hall, Plymouth, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Polish Alliance of America, care of architect. Steel, brick, 3 stories, 63x129 feet, built-up roof, hardwood floors, hollow tile, steam heat, electric light, metal lath, tile work, terrazzo, steel sash, kalamein

doors, bond, iron stairs, ornamental iron work. Contract awarded to M. L. Roth, 295 South Main street, Wilkes-Barre, Pa.

Store and Apartment, Forty Fort, Pa. Architect, T. H. Atheron, Coal Exchange Building, Wilkes-Barre, Pa. Owner, W. J. Strop, 1282 Wyoming avenue, Forty Fort, Pa. Concrete block, brick, steel, 2 stories, 32x80 feet, slag roof, hardwood floors, electric light, tile work. Contract awarded O. J. Behrens, 179 Blackman street, Wilkes-Barre, Pa.

Apartment (alts.), Wilkes-Barre, Pa. Architects, Schroeder & Schmidt, Weitzenkorn Building, Wilkes-Barre, Pa. Owner, Dr. L. Struznyski, Wilkes-Barre, Pa. General interior and exterior alterations, asbestos shingle roof. Contract awarded W. L. Roth, 297 South Main street, Wilkes-Barre, Pa.

Church, Homestead, Pa. Architects, Charles W. Bolton & Son, 1329 Race street, Philadelphia. Owners, First Reformed Church, Homestead, Pa. Brick, stone, 1 story. Contract awarded Hartley Const. Co., Homestead, Pa.

Sales Room (alts.), Baltimore pike, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Nash Corp.; A. R. Knight, Lansdowne, Pa. Contract awarded F. K. Wilkinson, Aldan, Pa.

Residences (2), Bryn Mawr, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, G. Herbert Taylor, 1518 Walnut street, Philadelphia. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile and marble work. Plans in progress.

Road Work, Pennsylvania. Contracts awarded. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Washington County, R-545, Sec. 2, Independence Township. One course reinforced concrete, to Jones Const. Co., Beallsville, Pa., \$55,570.40.

Monroe County, A-3760, Jackson Township, 10,452. Grading and drainage, to Mapleton Limestone Co., Huntingdon, Pa., \$16,651.85.

Beaver County, A216-17 and 4846, Economy Township, 21,070. One course reinforced concrete, to Kemena Lumber Co., Ambridge, Pa., \$190,054.

Northampton County, A4807-4808, Free-mansburg Borough, Bethlehem City. One course reinforced concrete, to R. D. Richardson Co., Scranton, Pa., \$46,882.13.

Bucks County, R-153, bridge, reinforced concrete, 1 span, to Ira J. Reighter Const. Co., Harrisburg, Pa., \$34,317.03.

Lycoming County, R-289, 331, 4772, Williamsport Borough. Vitrified brick pavement with bituminous filler on concrete base, to Busch & Stewart, Inc., Williamsport, Pa., \$125,194.79.

Dauphin County, RR-509, Swatra Township. One course reinforced concrete, to W. T. Staats Co., York, Pa., \$36,258.25.

Blair County, R-55, Sec. 4, Logan Township. One course reinforced concrete, to Charles Winters Const. Co., Butler, Pa., \$190,199.50.

Lebanon County, R-140, Swatara and Bethel Townships. One course reinforced concrete, to Pottsville Const. Co., Pottsville, Pa., \$97,040.38.

Crawford County, R-200, A4780, 4781, Sparta and Bloomfield Townships, 25,706 feet. One course reinforced concrete, to Colonial Const. Co., Pittsburgh, Pa., \$265,418.71.

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

Blair County, P493, S-1A, 5019, Logan Township. One course reinforced concrete, to Charles Winters Const. Co., Butler, Pa., \$36,519.70.

Cambria County, R-221, Patton Borough, Duquesne. One course reinforced concrete, to Duquesne Engr. & Cont. Co., Pittsburgh, Pa., \$39,523.62.

Residence, Merion, Pa. Architect and owner, Paul A. Monaghan, 1520 Locust street, Phila. Stone, 2½ stories and basement irregular in size (heating, plumbing and electric reserved), slate roof, oak and pine floors, metal lath, tile work, bond, ornamental iron work. Contract awarded McCloskey Co., 1620 Thompson street, Phila.

Road Work, Penna. Contract awarded. Owner, Dept. of Public Highways, Harrisburg, Pa. Bucks Co., A-4583, Nockaminon Township, Bituminous surface treated macadam, surface course to J. H. Hutchinson, Altoona, Pa., \$58,566.45. Northumberland Co., 4-161 Coal and Ralph Townships, one course reinforced concrete, D. W. Davis & Sons, Kingston, Pa., \$165,607.53. Greene County, 4-112S4 and 4238-A Cumberland Township, Carmichael Borough, one course reinforced concrete, E. E. Morris, Waynesboro, Pa., \$3,698.10. Dauphin Co., 4-370, Penbrook Borough, Susequehanna Township, one course reinforced to Continental Construction Co., Baltimore, Md., \$28,452.45.

New Jersey Construction News

Community Ball Room, Highland, N. J. Architect, A. F. Amodio, 45 Branford Place, Newark, N. J. Owner, G. Johnson, Highland, N. J. Frame, stucco, 1 story, 40x1000 feet, maple floors. Sketches in progress.

Sanitarium, Atlantic Highland, Mitchell Hill, N. J. Architect, A. F. Amodio, 45 Branford Place, Newark, N. J. Owner, Mr. Denny, care of architect. Brick, 3 stories, 200 rooms. Sketches in progress.

Apartment House, Morristown, N. J. Architect, A. F. Amodio, 45 Branford Place, Newark, N. J. Owner, Mrs. Friedburg, care of architect. Brick, 4 stories, electric light. Preliminary plans in progress.

Temple Building, Trenton, N. J. Associate architects, J. O. Hunt and W. Hankin, Hanover street, Trenton, N. J. Owners, Crescent Temple, A. A. O. N. M. S., of Trenton, Harry Evans, Chairman of Building Committee, Trenton, N. J. Brick, stone. Too early for details.

Entrance and Steps to State House, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, State of New Jersey, Trenton, N. J. Granite. Plans in progress.

Residence (alts.), Princeton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, Mr. Robert Haines, on premises. Hardwood floors, hot water heat, tile work, general interior alterations. Plans in progress.

Jail, near Trenton, Mercer County, N. J. Architects, W. W. Slack & Son, Trenton Trust Company Building, Trenton, N. J. Owners, Mercer County Board of Freeholders, Commissioner G. Hutchinson, Trenton, N. J.

Brick, steel, 2 stories and basement, 45x112 feet, slag roof, concrete floors, electric light, iron stairs. Plans in progress.

Hotel, Alteration to Apartment (add.), South Boston avenue, Atlantic City, N. J. Architect, A. F. Amodio, Segal Building, Atlantic City, N. J. Owner, M. Jerome, on premises. Brick, 4 stories, 16x30 feet, slag roof, oak floors, electric light, general interior alterations. Plans in progress.

Apartment House, Bellville, N. J. Architect, A. F. Amodio, 45 Branford Place, Newark, N. J. Owner, Alfred Amodio, 40 Mt. Prospect avenue, Newark, N. J. Frame, 2 stories, 18x52 feet, flat roof, oak floors, steam heat, electric light, tile work. Owner ready for bids.

Apartment (33), Plainfield, N. J., \$190,000. Architect, A. F. Amodio, Newark, N. J. Owner, William Krueger, 60 Park Place, Newark, N. J. Semi-fireproof, 4 stories, 75x98 feet, Barrett specification roof, hardwood floors, hollow tile, cast stone, vapor heat, electric light, metal lath, tile and marble work. Architect ready for bids in 3 weeks.

Church, Brigantine, N. J. Architect, G. A. Brook, 15 South Madison street, Perth Amboy, N. J. Owners, St. Thomas' Roman Catholic Church, Rev. William Dietrick, Perth Amboy, N. J. Brick, terra cotta, 1 story (heating, plumbing and electric reserved), slate roof, wood floors, bronze tablet, ornamental iron work, waterproofing. Architect taking bids due September 21st.

Theatre, Hall and Auditorium, Trenton, N. J. Architect, Louis Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Savoy Hall Association, care of architect. Fireproof, 2 stories, 40x90 feet (heating, plumbing and electric reserved), gypsum roof, maple and cement floors, hollow tile, safety treads, roof ventilators, dampproofing, acoustical treatment, ornamental iron work, bronze work, iron stairs, fire doors, rolled steel sash and skylights, tile and marble work, metal lath, electric light, steam heat. Architect taking bids due October 3rd.

Church and Parish House, Moorestown, N. J. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owners, Trinity Parish,

Moorestown, N. J. Stone, limestone, cut stone, steel, 1½ stories, 2½ stories and basement, 80x114 feet, wing 64x24 feet, variegated slate roof, linoleum, oak, pine, cement, cork and maple floors, hollow tile, safety

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

treads, plumbing, flagstone, wrought iron pipe, brass pipe, casement windows, artificial stone, metal lockers, leaded glass, kalamein and hollow metal doors, tile, marble work, metal lath, electric light, steam heat. Architects taking bids due September 22nd.

Dormitory Buildings (4), Totowa, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction, Trenton, N. J. Owners, New Jersey Training School for Feeble Minded, Females. Brick, steel, reinforced concrete, cement block, 2 stories and basement, 139x28 feet, 53x36 feet (heating, plumbing, electric separate), slate and tin roof, tile, cement and linoleum floors, metal lath, ceramic, marble and slate work, rolled steel sash and skylights, bond, floor hardener, steel stairs, ornamental iron work, iron railings, waterproofing and dampproofing, roof ventilators, metal window guards, gypsum blocks, screens. Owners taking bids (date not decided).

Employees' Building, Totowa, N. J. Architects, Department of Institutions and Agencies, Department of Construction and Architecture, Trenton, N. J. Owners, School for Feeble Minded, W. J. Ellis, Trenton, N. J. Brick, 2½ stories, 91x33 feet, slate roof, maple floors, electric light (heating, plumbing, electric reserved), tile and marble work. Architects taking bids due date indefinite.

Hospital, Totowa, N. J. Architects, Department of Institutions and Agencies, Division of Architecture and Construction. Owners, School for Feeble Minded, W. J. Ellis, Trenton, N. J. Brick, steel, fireproof, 2 stories, 140x70 feet 6 inches, slate roof (heating, plumbing and electric reserved), tile and cement floors, hollow tile, roof ventilators, elevators, waterproofing, metal lath, tile and marble work, rolled steel sash and skylights, fire doors, iron stairs, ornamental iron work. Architects taking bids due date indefinite.

Viaduct, N. J. Owners, State Highway Commission, A. Lee Grover, Trenton, N. J. Awarded to C. Meads & Co., 217 West Fourteenth street, New York, \$1,147,406.

Road Work, Trenton, N. J. Owners, State Highway Commission, A. Lee Grover, Trenton, N. J. Route No. 14, Sec. No. 18, May's Landing, Atlantic County. Low bidders: Mazzola & Marano, Inc., 739 South Seventh street, Philadelphia, \$227,678.86.

Road Work, New Jersey. Owners, State Highway Commission, Trenton, N. J. Owners taking bids due October 3rd at noon (Standard Time). Route No. 17 North, Sec. No. 4, Borough of Bohokus, Bergen County, 1,330 cubic yards excavation, 3,722 square yards reinforced concrete pavement. Deposit, \$10. Certified check, 10 per cent.

Stores (5), Arctic and Kentucky avenues, Atlantic City, N. J. Architect, Harry Adams, Atlantic City, N. J. Owners, Hillman & Magenheim, Atlantic City, N. J. Brick, cut stone, 1 story, 65x71 feet, slag roof, steam heat, electric light, tile and marble work, metal bulks, iron work, cement, parquetry and hardwood floors, plate glass, copper work, mill work. Architect taking bids.

Curbs, Sidewalks and Grading, Pensauken Township, N. J. Engineers, Remington &

Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Pensauken, R. V. Peabody, Pensauken Township, N. J. Owners taking bids due September 26th, 8 P. M. Certified check, 10 per cent. Bond. Approximately 84,000 square feet concrete sidewalks, 20,000 lineal feet concrete curb, 400 square yards 6-inch gutters, 100 square yards 8-inch reinforced gutters, necessary grading. Deposit, \$15; refund, \$5.

Sewage Disposal Plant, Vineland, N. J. Owners, Borough of Vineland, N. J. Low bidder, E. R. Morehous, Camden, N. J., \$80,722.96.

Residences (2), 1017-19 W. 28th street, Camden, N. J., \$8,000. Architect, private plans. Owner, Joseph Gross, 2706 Concord avenue, Camden, N. J. Brick, 2 stories, 17x44 feet, hot water heat, electric light, slag roof, carpentry, millwork. Permit issued.

Gasoline and Service Station, Haddon and Whitman avenues, Camden, N. J., \$7,000. Architect, private plans. Owner, Standard Oil Co., Newark, N. J. Block, 1 story, 18x16 feet, metal shingles. Permit issued.

Service Station, 19th and River avenue, Camden, N. J. Owner, Standard Oil Co., Newark, N. J. Block, 1 story, 18x16 feet, metal shingle roof. Permit issued.

New Jersey Contracts Awarded

Vocational School, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson avenue, Camden, N. J. Owners, Board of Education, M. Wessel, Camden, N. J. Brick, reinforced concrete, steel, cut stone (plumbing, heating, electric and ventilating separate), composition, cement and maple floors, elevators, roof ventilators, metal window guards, parlock waterproofing, dampproofing, cast stone, incinerators, ornamental iron work, iron stairs, bond, steel and hollow metal doors, rolled steel sash, tile and marble work, metal lath, bronze tablets, gypsum partitions, steel lumber and partitions, hollow partitions, slag roof, acoustical treatment, iron frame greenhouses, 36x100 feet, administration, 114x172 feet 2 inches, wing 61x48 feet, 2 stories and basement, shop (5), 62x101 feet each, 2 stories. Contract awarded Geo. Bachman, Camden, N. J., \$680,708; electric, Frank & Sweeney, Camden, N. J., \$28,450; plumbing, W. J. Newell, 2035 Arch street, Philadelphia, \$57,828; heating, Harry Knech, West Collingswood, N. J., \$96,430.

Library Building, Wenonah, N. J. Architects, Morris & Erskine, 1716 Cherry street, Philadelphia. Owners, Board of Trustees of Wenonah Public Library, Wenonah, N. J. Stone, brick, cut stone, steel, 1½ stories and basement, 48x43 feet, variegated slate roof (plumbing, heating, electric reserved), cement and pine floors, metal weather strip, flagstone, metal lath, kalamein doors, bond, limestone, casement windows, rolled steel sash. Contract awarded Neilson & Carlson, Wenonah, N. J.

Swimming Pool and Hall, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, F. J. Weitzel, Trenton, N. J. Cinder block, stucco, 1 and 2 stories, 99x33 feet, 12x15 feet, tile roof, tile and concrete floors, electric light, tile and marbl work. Contract awarded J. H. Morris, Trenton, N. J.

Residence (alts. and add.), Newtown, Pa. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owner, William Chambers, on premises. Stone, 2 stories, irregular in size, slate roof, hardwood floors, electric light, tile work. Contract awarded William Stradling, Newtown, Pa.

Memorial Building, Pleasantville, N. J. Architect, C. H. Conover, Freeman Building, Atlantic City, N. J. Owners, City of Pleasantville, West Washington avenue, Pleasantville, N. J. Contract awarded Ingersol Contg. Co., Somers Point, N. J.

Residences (8), 2550-68 Baird Boulevard, Camden, N. J., \$51,000. Architect, private plans. Owners, Baird Boulevard Homes Co., Camden, N. J. Brick, 2 stories, 19x42 feet, 20x69 feet, hot water heat, slag roof, electric light, hardwood floors. Contract awarded Robert Schaal & Son, 2719 Pierce avenue, Camden, N. J.

Residences (6), 255-69 Baird Boulevard, Camden, N. J., \$40,000. Architect, private plans. Owners, Bird Boulevard Homes Co., Camden, N. J. Brick, 2 stories, 22x69 feet, 20x42 feet, hot water heat, electric light, wood floors. Contract awarded Robert Schaal & Son, 2719 Pierce avenue, Camden, N. J.

Manufacturing Building, rear 650 North Delaware avenue, Camden, N. J., \$12,000. Owners, Atlas Plywood Corp., on premises. Brick, 1 story, 56x56 feet, slag roof, electric light. Contract awarded Austin Co., Jefferson Building, Philadelphia.

Residences (3), 960-64 North Twenty-third street, Camden, N. J., \$4,500 each. Owner, Joseph Munger, 1180 Bergen avenue, Camden, N. J. Brick, 2 stories, 18x32 feet, slag roof, hot water heat, electric light. Permit issued.

Building, Bridge Boulevard and Twelfth street, Camden, N. J., \$9,000. Architect, private plans. Owners, Standard Oil Co., 31 Clinton street, Newark, N. J. Brick, 1 story, 10x18 feet, Arcola heat, metal tile, gasoline and service station. Owners will build.

Residences (2), 831-33 North Thirty-second street, Camden, N. J., \$8,000. Architect, private plans. Owners, Aellen & Renner, 2721 Lincoln avenue, Camden, N. J. Frame, 1 story, 14x38 feet, warm air heat, slag roof, electric light, wood floors. Owners will build.

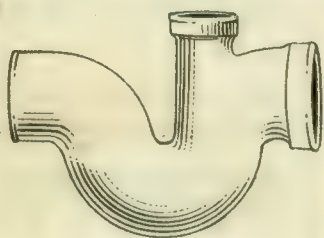
Gasoline and Service Station, 647 Bridge Boulevard, Camden, N. J. Architect, Harold A. Allen, 526 Stevens street, Camden, N. J. Owners, Lincoln Oil Corp., Camden, N. J. Brick, 1 story, 16x31 feet, slag roof, cement work. Contract awarded H. C. Paschall, Merchantville, N. J.

Shed, 745 North Thirty-third street, Camden, N. J. Owners, Lock Joint Pipe Co., Camden, N. J. Frame, 1 story, 24x24 feet, rubberoid roof. Contract awarded T. C. Tolbert, 5503 Westfield avenue, Camden, N. J.

Addition, 701 Ferry avenue, Camden, N. J. Owner, John Bereska, on premises. Brick, 1 story, 8x30 feet, tin roof. Contract awarded F. J. Richartz, Audubon, N. J.

Fire Escape and Alterations, 421 Broadway, Camden, N. J. Owner, Hyman Lichenstein, Camden, N. J. Contract awarded Leslie W. Reeves, Woodlyne, N. J.

Office, 727 North Thirty-third street, Camden, N. J. Owners, Lock Joint Pipe Co., Camden, N. J. Frame, 1 story, 12x24 feet, rubberoid roof. Contract awarded Thomas C. Tolbert, 5503 Westfield avenue, Camden, N. J.



When you want Prompt Service, Intelligent Co-operation and Reliable
SEWER PIPE, FLUE LINING, WALL COPING
CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

Residences (2), 1131-33 Bergen avenue, Camden, N. J. Owner, Joseph Munger, 1180 Bergen avenue, Camden, N. J. Frame, 2 stories, 15x38 feet, warm air heat, slag roof, electric light. Permit issued.

Hospital, Fort Monmouth, N. J. Architect, private plans. Owner, U. S. Government, War Dept., Washington, D. C. Reinforced concrete, brick, steel, 2 stories and basement, irregular in size, 65x24 feet; 60x40 feet; 26x60 feet; 26x60 feet, slate roof, cement floors, hollow tile, plumbing, ornamental iron work, bond, metal lath, steam heat, electric light. Contract awarded Hughes Foulkrod Co., Schaff Building, Phila.

Garage and Cow Pen, 6th and Kaighn Ave., Camden, N. J. Architect, Harold Allen, 526 Stevens street, Camden, N. J. Owner, Star Beef Co., 6th and Kaighn Ave., Camden, N. J. Block, 1 story, Garage, 35x50 feet, pen, 43x38 feet, slag roof. Contract awarded Ludwig Grabouski, 1121 Kaighn Ave., Camden, N. J.

Motor and Pump House, River Ave., N. of Penna. R. R., \$2,000. Owner, Texas Co., New York City. Block, 1 story 14x15 feet, concrete roof. Contract awarded M. T. James, Merchantville, N. J.

Miscellaneous Construction News

House of Correction, (add.), Jessup, Maryland. Architect, Theodore Wells Pietsch, American Building, Baltimore. Owner, Maryland House of Correction, Jessup, Maryland. Brick, steel, 1 story and basement, 267x60 feet, steam heat, electric light, metal lath, rolled steel sash, bond, ornamental iron work, slate roof, cement floors, plumbing. Architect taking bids due Sept. 22nd.

Infantry Battalion Barracks, Fort Wadsworth, N. Y. Owner, Construction Service, Quartermaster General, 39 Whithall street, New York City. Owner, U. S. Government, Washington, D. C. Brick, steel, 3 stories and basement, 402x79 feet, built up roof, hot water heat, electric light, metal lath, rolled steel sash, steel fire doors, plumbing, cement and mastic floors, plumbing, waterproofing, steel casement windows, ornamental iron work, iron pipe, reinforced concrete, metal toilet partitions. Owner taking bids due Sept. 26th, 11 A. M. (D. S. T.).

Telephone Building, 9th and Tatnall street, Wilmington, Del. Architect, John T. Windrim, Commonwealth Building, Phila. Owner, Diamond State Telephone Co., Wilmington, Del. Brick, limestone, granite, steel, 4 stories and basement, 100x68 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, fire and kalamein doors, bond, iron stairs, steel casement windows, ornamental iron work, area gratings, waterproofing, bluestone, plumbing, metal weatherstrip. Architect taking bids due Sept. 28th.

Buildings (4), Durham, N. C. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, Duke University, A. C. Lee, engineer, Durham, N. C. Medical school, hospital union building, Group C dormitory. Brick, cut stone, concrete, steel, steam heat, electric light, metal lath, marble and terrazzo work, rolled steel skylights, hollow metal doors, bond, ornamental iron work, iron stairs, green slate, slag, tile roof, cement and oak floors, metal book stacks, kitchen equipment, refrigerators, plumbing, flagstone, limestone, granite, membrane waterproofing, dumb waiter, hardware, painting and glazing. Engineer taking sub-bids.

Offices, Fortieth and Madison avenue, New York City. Engineer, Lloyd Cross, 16 North

Front street, Philadelphia. Owner, name withheld. Masonry partitions, third floor, 16,000 square feet floor covering, wood partitions, glass, painting, glazing, electric, ventilating, plastering, miscellaneous equipment. Plans in progress.

Church, Detroit, Mich. Architects, C. W. Bolton & Son, 1329 Race street, Philadelphia. Owners, Trinity Reformed Church, Detroit, Mich. Brick, stone. Plans in progress.

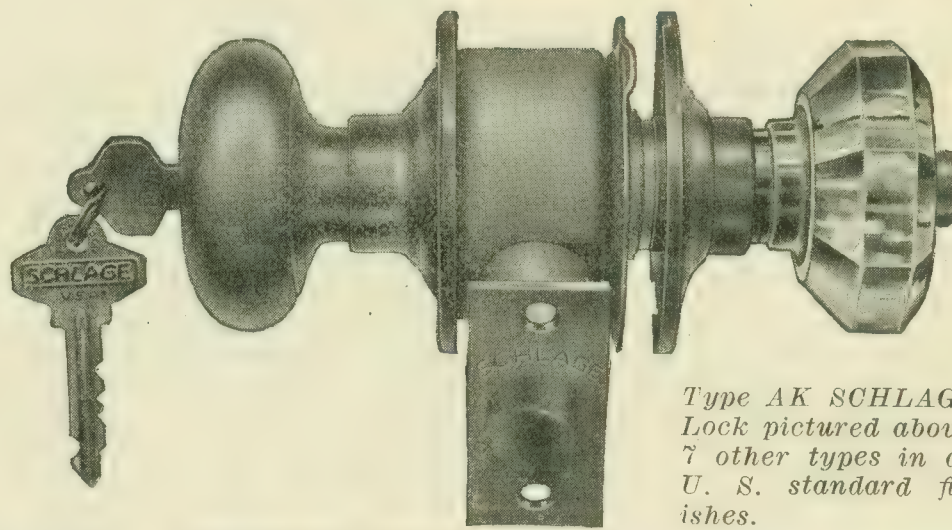
Miscellaneous Contracts Awarded

Filtering Plant, Elizabethtown, Tenn. Architect, Lockwood Greene, 1 Pershing Square, New York. Owner, American Bemberg Corp., on premises. Reinforced concrete, brick, steel, 1 story, 177x144 feet, slag roof, cement

floors, rolled steel sash, iron work. Contract awarded Hughes Foulkrod Co., Schaff Building, Phila.

Residence, Middleton, R. I. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owner, E. R. Knight, care of architect. Stone, 2½ stories and basement, 30x90 feet, 2 wings, 20x20 feet, slate roof, pine and oak floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

Restaurant Building, 127 East Fifty-ninth street, New York City. Architects, Stuckert & Co., 1600 Arch street, Philadelphia. Owners, Bickford Lunch System, 362 West Fiftieth street, New York. Brick, steel, terra cotta, 2 stories and basement, 20x100 feet, slag roof, ceramic floors, steam heat, electric light, tile and marble work, plat glass, mahogany wainscoting, cabinet work, plumbing, kitchen



Type AK SCHLAGE
Lock pictured above,
7 other types in all
U. S. standard fin-
ishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

equipment. Contract awarded Keown, Smith & Harris, New York.

Hotel, Lewes, Del. Architects, Lawrie & Green, Odd Fellows Building, Harrisburg, Pa. Owners, Lewes Hotel Co., C. C. Marshall, Lewes, Del. Brick, reinforced concrete, steel, limestone, 3 stories and basement, 91x57 feet, asbestos built-up roof, composition, cement and pine floors, hollow tile, roof ventilators, waterproofing, cast stone, steel sash, tile work, metal lath, electric light, steam heat, plate glass. Contract awarded Barnes Const. Co., 1828 Arch street, Philadelphia.

Shed No. 6, Roanoke, Va. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Viscoe Co., Marcus Hook, Pa. Brick, reinforced concrete, steel, 1 story, slate, slag and shingle roof, cement and composition floors, hollow tile, plumbing, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, metal lath, tile, marble work, rolled steel sash, saw-tooth skylights, fire and kalamein doors. Contract awarded John Pettijohn, Lynchburg, Va.

Proposal

PUBLIC NOTICE

SEALED BIDS will be received by the Board of Education of Hamilton Township, County of Atlantic, State of New Jersey, at 8.00 o'clock P. M. on Friday, October 7, 1927, at a special meeting of the said Board, to be held in the Public School Building, corner of Farragut Avenue and Second Street, May's Landing, New Jersey, for the erection and completion of a three-story Fire-proof High School Building to be erected on the school grounds at the corner of Farragut

Avenue and Second Street in the rear of present frame school house, May's Landing, N. J., according to the plans and specifications on file in the office of S. HUDSON VAUGHN, Architect, Room 642, Guarantee Trust Building, Atlantic City, New Jersey, where said plans and specifications may be seen, or the Architect will loan to prospective bidders a copy of the said plans and specifications on the deposit of \$50.00 by the borrower of the plans, which amount will be returned providing a bid in regular form is submitted to the Board on one of the five groups advertised and the plans and specifications delivered in good condition, to the office of the Architect within one week after bids are opened. Said bids are to be opened and read in Public at the aforesaid time and place.

Five separate bids will be received on five separate groups of the work to be done, together with alternate bids as called for by the specifications.

Construction WorkGroup No. 1
Plumbing WorkGroup No. 2
Electric WorkGroup No. 3
Heating and Ventilating Work.....Group No. 4
Sewage Disposal Work.....Group No. 5

Each bid must be accompanied by a certified check, payable to JAMES F. CANAZZA, Custodian, in the amount of ten percent of the bid, or cash in equal amount.

The certified check or cash, above stated, which accompanies each bid is intended as a guarantee that if the Contract is awarded to the bidder, he will enter into a Contract with said Board of Education, and give Bond, as required by specifications, and if for any reason the successful bidder should fail or refuse to execute the Contract and Bond as required, the certified check or cash accompanying said bid becomes the property of the Board of Education aforesaid and the pro-

ceeds of said check deposited to the credit of said Board.

All checks will be returned within one week after the bids have been opened, excepting the checks of the lowest and next lowest bidder on each section or group of the work.

Surety Company Bond, in the full amount of the Contract, must be furnished by the successful bidder and all bids must be made on "Bidding Proposals" as provided in the specification under Section "A."

If the bidder fails to file with his bid, in addition to his certified check, a proper Consent or Bidder's Bond, executed by officers in authority for said Surety Company, naming the surety that will go on his Bond, the bid will be considered irregular.

Contract will be awarded, if awarded at all, subject to the sale of bonds to finance said work.

The right is reserved to reject any or all bids.

By order of the Board of Education of Hamilton Township, Atlantic County, New Jersey.

ARCHIE H. SMITH,
District Clerk.

Don't crowd your space, Mr. Advertiser. Better play up one selling point at a time than to try to get everything into one ad. and kill every possible chance for display. An ad. should stand out. It should be easily read. It should draw the attention of the reader. A carload of detail can't be crowded into a few inches of space and still retain the quality of sticking out as all good advertising should.

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

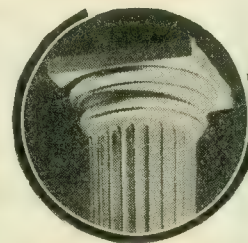
PRESSED STEEL STAIRS

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCK LATH FIRESAFE PLASTER LATH

SHEET ROCK WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Corp. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.
Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard 3rd and Girard Ave., Phila.
Lewis Lumber Co. 324 Sloan St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.
Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.
Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.
John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50 N. 5th St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co. 1126 S. 11th St., Phila.
Truscon Laboratories 1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Audubon Wire Cloth Co. Audubon, N. J.
Potts, Horace T., & Co. Erie Ave. and D St., Phila.

Reisbord, Wolf 138-140 N



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

"I DIDN'T KNOW"

is poor consolation to any builder when sudden emergency—fire, wind, etc.—puts his insurance protection to an unexpected test and finds it wanting.

If you do not know that this is a form of insurance featured by the "Old North America" any of our agents will be glad to give you full information and advice on the proper protection you should have, without any obligation.

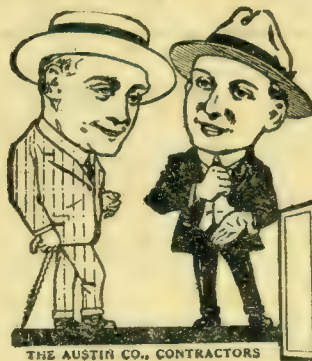
Insurance Company of North America

PHILADELPHIA

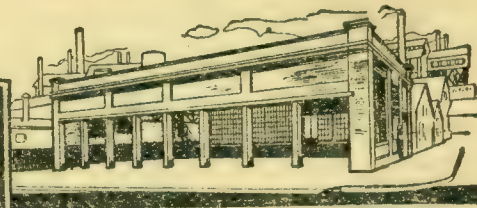
and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Hardened Concrete Garage Floors Never Wear Out or Need Repairs



THE AUSTIN CO., CONTRACTORS



GARAGE, ROESSLER & HASSLACHER CHEMICAL CO.

Water, oil, wear from chains and other severe conditions encountered in a garage, do not affect the concrete floors when they are hardened and waterproofed with "ANTI-HYDRO."

Because "ANTI-HYDRO" is so easy to use—simply mix it with the gauging water—and because it permanently hardens, waterproofs and oil proofs concrete all in one operation, you will find that its use is a real economy for both you and the owner. It saves more than its cost by eliminating repair bills.

For 23 years "ANTI-HYDRO" has been used by contractors the country over on every type of concrete hardening and waterproofing work. Age is the real proof of permanency. Use "ANTI-HYDRO" on your next job.

ANTI-HYDRO WATERPROOFING CO. 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Vol. XLII, No. 39
September 28, 1927

Entered at the Philadelphia Post Office as Second-Class Matter
Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster	"P. G." Gypsum Partition Blocks
"P. G." Stucco	All Sizes
"P. G." Hardwall	"P. G." Roof Tile
"P. G." Wood Fibred Plaster	"Gyproc" Wall Board
"P. G." Plaster of Paris	"Gyproc" Joint Filler

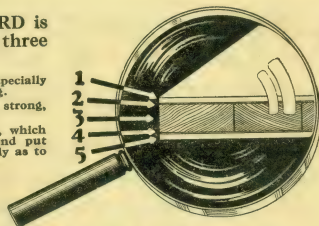
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE, & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

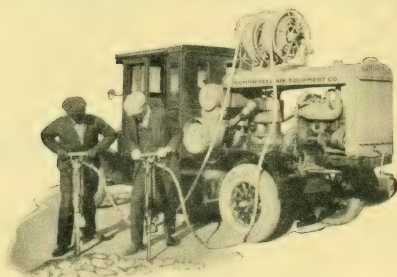
**West Jersey Sand
and
Supply Corp.**
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete
Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by Welsbach

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Base-
ment Windows for Residences
are the modern windows for
the modern house.

Large choice of sizes for immediate
deliveries. Write for literature.

*Lupton makes a steel window for
every type of building*

Phone, write or wire large and small orders

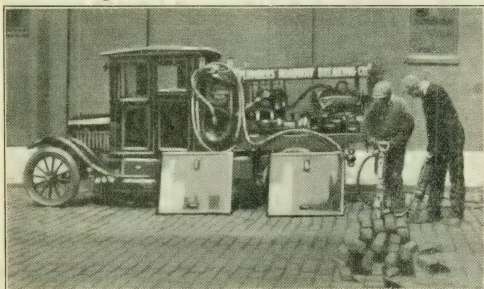
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

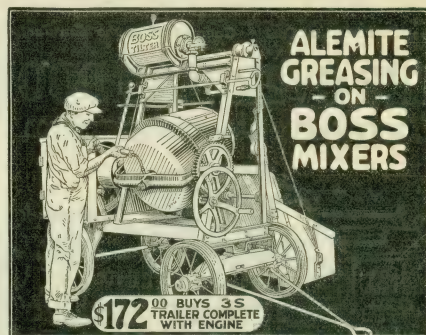
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



ONE BAG TILTER NOW AT HALF BAG PRICE

BETTER EQUIPMENT FOR LESS MONEY ON ACCOUNT
BIG FACTORIES—VOLUME PRODUCTION—BUYING POWER

WRITE OR WIRE FOR NEW PRICES—CATALOGS—TODAY

SERVICE SUPPLY CORPORATION

20th and Venango Streets, Philadelphia, Pa.

BRANCH OFFICES AND WAREHOUSES IN ALL PRINCIPAL CITIES



BRICK

WHITE

interiors, or exteriors, can be secured on masonry walls at very low cost by the application of a spray or brush coat of

ZEMCO-LITE

THE PORTLAND CEMENT PAINT

For interior use on plastered walls it is also furnished in 14 colors so that almost any effect desired may be obtained.

ALDEN PARK MANOR

in Philadelphia and Boston used

ZEMCO-LITE

thruout for interior finish.

EXCELSIOR

BRICK and STEEL Sales Co.

600 Bankers' Trust Building

PHILADELPHIA

Eastern Distributors

Pennypacker 7084

Race 6010

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE. GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



DISTRIBUTED IN EASTERN PENNSYLVANIA BY

**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Drawing
Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

**"Deadlock" Concrete Bars
"Page" Wire-Link Fence
"Page" Panel Partitions**

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

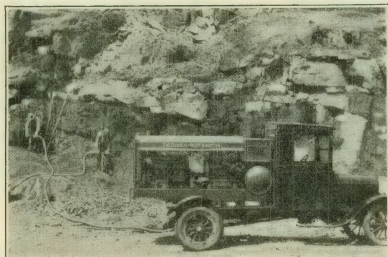
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIoga 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 39

PHILADELPHIA
September 28, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada.....10.50 a year
To all points in Europe.....10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS: LAST DAYS FOR FILING BIDS: CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED: ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Apartment House and Stores, Northeast Corner Forty-seventh and Walnut streets, Philadelphia. Architect, F. Ferdinand Durang, 1220 Locust street, Philadelphia. Owners, P. J. Van Billiard & Co., Widener Building, Philadelphia. Brick, reinforced concrete, steel, granite, 3 stories and basement, slag roof, cement, oak and pine floors, hollow tile, metal weather strip, waterproofing, architectural terra cotta, bond, ornamental iron work, area gratings, rubberoid cork insulation. Revised plans in progress. Ready for bids in two weeks.

Home Building, Northeast Corner Seventh and Pine streets, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, St. Joseph's Home for Homeless and Industrious Boys, Rev. T. Park, on premises. Brick, steel, 4 stories and basement. Ready for bids in a month.

Residence and Garage, Queen Lane Manor, Philadelphia. Architect, W. Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, J. D. Winchell, Seventeenth and Sansom streets, Philadelphia. Stone, 2½ stories. Plans about completed. Ready for bids in about a week.

Fox Chase Branch, 7900 Oxford pike, Philadelphia. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Oak Lane Trust Co., Broad and York road, Philadelphia. Brick, limestone, steel, 2 stories and basement, slag roof, cement floors, metal lath, tile work, bond, ornamental iron work. Re-

vised plans in progress. Ready for bids in three weeks.

Parish House, Rising Sun and Church lane, Fox Chase, Pa. Architect, Arnold H. Moses, Camden, N. J. Owners, Trinity Church of Oxford, on premises. Brick, limestone, cut stone, 2½ stories, 1 story and basement, 42x74 feet, 73x39 feet, built-up and slate roof, composition and cement and maple floors, plumbing, waterproofing, ornamental iron work, alberne work, cork tile floors, metal toilet partitions, bond, fire doors, rolled steel sash and skylights, metal lath, electric light, steam heat. Architect taking bids due October 5th.

Educational Center, Southeast Corner Porter and Marshall streets, Architect, Frank E. Hahn, 629 Chestnut street, Philadelphia. Owners, Federation of Jewish Charities, S. L. Leventhal, Bankers' Trust Building, Philadelphia. Reinforced concrete, brick, cast stone, steel, granite, 2 stories and basement, 118x50 feet, Barrett specification roof, maple and cement floors, hollow tile, roof ventilators, architectural terra cotta, ash hoists, steel partitions, area grating, ornamental iron work, iron stairs, kalamein doors, bond, tile, marble and terrazzo work, metal lath (electric work, lighting fixtures, plumbing, heating, weather stripping, linoleum floors reserved). Architect taking bids due October 3rd, 11 A. M.

College and Hospital, Broad street above Race street, Philadelphia. Architects, Pettit

& Ferris, 115 West Forty-fifth street, New York. Consulting engineer, H. Hall Marshall, 37 West Forty-third street, New York City. Owners, Hahnemann Hospital, Fifteenth above Race street, Philadelphia. Brick, granite, limestone, steel reinforced concrete, 17 stories and basement and pent house, 122x150 feet, wing 79x42 feet, promenade tile and slag roof, cement floors, elevators, waterproofing and dampproofing, architectural terra cotta, caststone, steel casement windows, ornamental iron work, bond, hollow metal doors and sash, rolled steel skylights, tile and marble work, metal lath, rubber tile floors, duraflex floors, cork tile floors, mail chutes, metal partitions, dumb waiter doors (electric heating, structural steel, plumbing, drainage, kitchen equipment reserved). Engineer taking bids due October 5th.

Contract No. 182, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Four stations, Columbia to Allegheny avenue, concrete and cement work, brick work, granite, coping, marble and semi-onyx partitions, hollow tile, tile work, plastering, metal lath, carpentry and mill work, copper covered doors, bronze grills, hardware, painting, dampproofing. Owners taking bids due October 7th.

Building (alts.), 231-35 North Sixteenth street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Keystone Telephone Co., 132 South

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, TRICE 3513

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

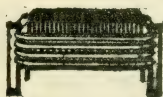
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.



Office Model

Other models for clubs
factories, restaurants
and hotels

Fleck Bros. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

329-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Second street, Philadelphia. Cement concrete, brick work, structural steel, gypsum roof slabs, light and ornamental iron, steel sash, fire doors, carpentry and mill work, plastering, painting, glazing, sheet metal work, slag roof, metal ceilings, hardware, plumbing, electric work. Architect taking bids due September 29th.

Gas and Tire Station, Torresdale and Van Dyke streets, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Walton Pilgrim Co., 2400 Market street, Philadelphia. Architect taking bids due October 3rd.

Apartment House, Southeast Corner Sixty-ninth and Chestnut streets, Philadelphia. Architect and engineer, R. N. Dippy, 1601 Walnut street, Philadelphia. Owners, Sixty-ninth Realty Co., care of architect. Architect taking sub-bids.

Residences and Garages (26 pair), Fox Chase, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, J. Harry Parker, Sixty-eighth avenue and Rittenhouse street, Philadelphia. Brick, frame, 2 stories, 16x40 feet, 10x18 feet, slate and wood shingle roof, hardwood floors, hot water heat. Owner taking sub-bids.

Residences (21), Second, Godfrey avenue, Palethorpe and Hancock streets, \$130,000. Architect, private plans. Owner, Carl Metz, 315 West Rockland street, Philadelphia. Brick, 2 stories, various sizes, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (3), 541-43-45 Seville street, Philadelphia, \$16,500. Architect, private plans. Owner, H. C. Missimer, 8012 Ridge avenue, Philadelphia. Brick, 2 stories, 16x38 feet, 13x10 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

Residences (89), Tabor road, Landis avenue and Montour street, Philadelphia, \$5,000 each. **Residences (77)**, Mayfair street, Tabor road, Landis avenue, Montour and Garland streets, Philadelphia, \$4,000 each. Owner, George Schwinn, 1426 Nedro avenue, Philadelphia. Brick, 2 stories, 15x27 feet, 11x13 feet and 15x49 feet, slag roof, pine and hardwood floors, hot water heat, electric light. Permit issued.

Rooming House (add. and alts.), 109 South Fortieth street, Philadelphia, \$25,000. Architect, private plans. Owner, William T. Harris, 122 South Fortieth street, Philadelphia. Brick, 4 stories add., 25x37 feet, 21x63 feet, general alterations. Permit issued.

Residence, North side Grant avenue, West of Hoff street, Philadelphia, \$4,500. Architect, private plans. Owner, Thomas C. Copeland, 1839 Murray street, Bustleton, Pa.

Frame, 1 story, 24x34 feet, electric light. Permit issued.

Supplies, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due October 4th. Electrical materials, wire screens, construction of temporary drain, paving, new fence, railing, new curb, etc.

Paving, Philadelphia. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. Owners taking bids due September 29th noon. Certified check, 5 per cent. Asphalt paving, repaving, redress granite block repaving, Portland cement concrete paving, paving and repaving certain alleys.

Pennsylvania Railroad. C. E. Walsh, 15 North Thirty-second street, Philadelphia, taking bids due October 4th. No. 112, frogs, crossings and gauge rods. No. 113, tie plates, joint bars, spikes, track bolts. No. 114, guard rail clamps and compromise joints. No. 115, structural steel for bridges.

Pennsylvania Railroad. C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due October 5th. Contract No. 116, wheels.

Residences (8), West side Loretto street, North of Hartel street, \$40,000. Architect, private plans. Owners, Castor Highland Development Co., Castor road and Hartel street. Brick, 2 stories, 16x25 feet, 18x24 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), East side Palmetto street, North of Shelmire street, Philadelphia. Architect, private plans. Owner, Harry Gorelick, 2427 Douglas street, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Tank, East side Broad street, South of Locust street, Philadelphia, \$5,000. Owners, Stanley Company of America, 1916 Race street, Philadelphia. Permit issued.

Shop, Office and Boiler Room (add. and alts.), West side Schuylkill avenue, South of Catharine street, 3120,000. Owners, Philadelphia Rapid Transit Co., Broad and Locust streets, Philadelphia. Brick and steel, 1 story, 36x60 feet, 2 stories, 55x225 feet. Permit issued.

Residences (22), Hasbrook avenue, Napfle street, Oxford pike and Unruh street, Philadelphia, 788,000. Architect, private plans. Owners, Betz Brothers, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (17), South side Dicks avenue, West of Sixty-ninth street, Philadelphia,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years

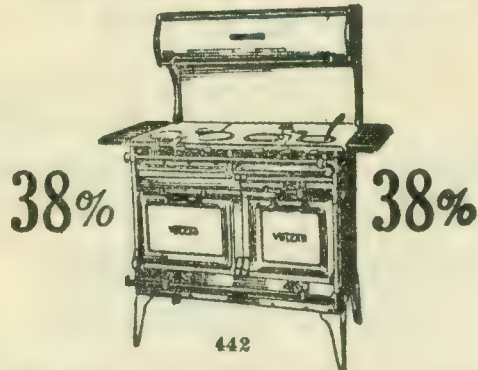
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

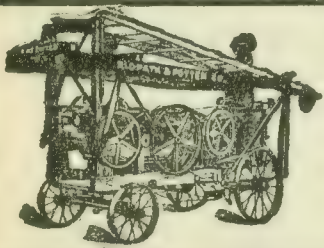
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

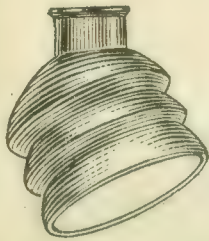
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

\$86,000. Architect, private plans. Owners, Holden & Sklar, Fifty-seventh and Florence avenue, Philadelphia. Brick, 2 stories, 16x25 feet, 12x10 feet, slag roof, hardwood and pine floors, electric light. Permit issued.

Residences (44), North side Kennedy street, West of Tulip street, \$134,500. **Residences (33)**, South side Scattergood street, East of Tulip street, \$99,500. Architect, private plans. Owner, Burton C. Simon, Twentieth and Passyunk avenue, Philadelphia. Brick, 2 stories, 14 feet 4 inches x 30 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Office Building and Warehouse, Swanson and Johnson streets, Phila. Architect, R. N. Dippy, 1601 Walnut street, Phila. Owners, Thomas Brothers, care of architect. Steel, asbestos covered metal, 30 feet high, 40x40 feet; 84x40 feet; 60x40 feet, steam heat, electric light, plumbing, concrete floors, concrete conveyor. Plans completed, ready for bids in a few days.

Residences (7), N. side Yocum street, E. of 72nd street, Phila., \$34,000. Architect, private plans. Owner, Edwin J. King, Sr., 2109 S. 72nd street, Phila. Brick, 2 stories, 14x24 feet; 11x7 feet, slag roof, pine floors, electric light. Permit issued.

Residence (add.), 7519 Ridge avenue, Phila., \$2,000. Architect, private plans. Owner, Thos. S. Pugh, 7519 Ridge avenue, Phila. Brick, 2 story addition, 16x30 feet. Permit issued.

Penna. R. R., C. E. Walsh, 15 N. 32nd street, Phila. Owner taking bids due Sept. 30th. Cont. 108 plates, bars and shapes, No. 109, axles, No. 110, sheets, No. 111, boiler tubes and pipe.

Miscellaneous Work, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Owner taking bids due Oct. 5th. Certified check, 5%. Retaining wall on East approach to Green Lane Bridge. Schedule A: Branch sewers.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Home, Ridge avenue and Laurison street, Roxborough, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Northern Home for Friendless Children, Twenty-third and Brown streets, Philadelphia. Stone, limestone, reinforced concrete, steel, steam heat, electric light, metal lath, tile, marble and terrazzo work, bond, iron stairs, ornamental iron work, sheet metal work, canvas roof, painting, glazing, hardware, carpentry and mill work, slate, tin roof, composition and cement floors, hollow tile, plumbing. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Pump House, Front and Erie avenue, Philadelphia. Architect, private plans. Owners, Hess-Bright Co., on premises. Brick, reinforced concrete, steel, 1 story and basement, 20x30 feet, slag roof, cement floors. Contract awarded H. John Homan Co., Eighteenth and Cherry streets, Philadelphia.

Apartment House, Forty-seventh and Wallace streets, Philadelphia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Mt. Olivet Baptist Church, on premises. Brick, cut stone, steel, 4 stories and basement, 56x95 feet, slag roof, vapor

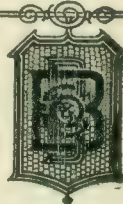
vacuum heat, electric light, metal lath, tile work, rolled steel sash, ornamental iron work, oak, pine and cement floors, plumbing, linoleum floors, kitchen equipment, folding beds. Contract awarded Wills-Bill Co., 1706 Sansom street, Philadelphia, who are taking sub-bids.

Sales and Service Building, Fifty-seventh and Walnut streets, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Ware Brothers, care of Richard Ware, 4611 Walnut street, Philadelphia. Brick, cut stone, steel, 2 stories and basement, slag roof, cement floors, plumbing, metal lath, electric light, tile work, fire and kalamein doors, bond, architectural terra cotta, iron work. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Bayuk Cigar Factory (add.), Ninth and Columbia avenue, Philadelphia. Architect, Alfred Freeman, 29 West Thirty-fourth street, New York. Owners, Columbia Realty Co., Ninth and Columbia avenue, Philadelphia. Brick, reinforced concrete, limestone, steel, granite, 8 stories and basement, 119x125 feet, Barrett specification roof, cement floors, terrazzo work, hollow metal sash, rolled steel skylights, iron work, bronze work, cork insu-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



lation. Contract awarded Wark Co., 1600 Walnut street, Philadelphia, \$250,000.

Office Building, West Washington Square, Philadelphia, \$1,600,000. Architect, R. B. Bencker, Bellvue Court Building, Philadelphia. Owners, N. W. Ayers & Son, 308 Chestnut street, Philadelphia. Brick, reinforced concrete, steel, limestone, 13 stories and basement, 102x114 feet, Barrett specification roof, tile roof, cement and maple floors, hollow tile, elevators, roof ventilators, metal weather strip, waterproofing, wall finish, metal toilet partitions, mailing system, area gratings, ornamental iron work, hollow metal sash, tile and marble work. Contract awarded Ketcham & McQuade, 1029 Brown street, Philadelphia.

Store and Apartment (4), Forty-third and Fairmount avenue, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owner, Philip Green, 4018 Girard avenue, Philadelphia. Brick, 3 stories, 25 feet x irregular each, slag roof, hardwood floors, hot water heat, electric light, flush bulks, plate glass. Contract awarded C. Swartz & Son, 2806 Kensington avenue, Philadelphia.

Residence, Southeast Corner Murray and Dungan road, Philadelphia, \$6,000. Architect, private plans. Owner, A. L. Boorse, 9419 Bustleton avenue, Philadelphia. Brick, 2 stories, 31x100 feet, electric light, pine floors. Contract awarded to Gustav Viet, Bustleton, Philadelphia.

Residences (2) (add.), 202-04 North Sixtieth street, Philadelphia, \$6,000. Architect, private plans. Owner, Mrs. Bertha Cronsan, 6106 Oxford street, Philadelphia. Brick, 2 stories add., 15 feet 6 inches x 30 feet, slag roof, electric light. Contract awarded to Ernotte & Bishop, 6142 Market street, Philadelphia.

Residence (add.), 2110 North Hancock street, Philadelphia, \$3,000. Architect, private plans. Owner, John Vorndran, on premises. Brick, 1 story add., 20x31 feet. Contract awarded to Wood Spec. Mfg. Co., 1166 Chase street, Camden, N. J.

Office, Northwest Corner Ridge avenue and Cresson street, Philadelphia, \$2,500. Architect, private plans. Owners, William P. Stroud Estate, on premises. Stone, 1 story, 18x20 feet. Contract awarded to Joseph A. Duva, 6710 Ridge avenue, Philadelphia.

Store, Northeast Corner Eighth and Walnut streets, Philadelphia, \$30,600. Architect, private plans. Owner, Isidore Pritsker, 617 South street, Philadelphia. Brick, 3 stories, 18 feet 6 inches x 94 feet, slag roof, electric light. Contract awarded to Max Cotler, 1220 North Forty-second street, Philadelphia.

Residence and Store (alts.), 4550 North Twelfth street, Philadelphia, \$2,500. Architect, private plans. Owner, Norman Kivars, on premises. General alterations. Contract awarded to Harry Slass, 5324 Berks street, Philadelphia.

Store (add.), 18 North Fourth street, Philadelphia, \$2,000. Architect, private plans. Owners, Krescher, Rogers, Fisher, Inc., on premises. Brick, 1 story add., 20x20 feet. Contract awarded Alexander Laub, 812 West Wyoming avenue, Philadelphia.

Store, West side Bustleton avenue, South of Byberry road, Philadelphia, \$2,000. Owner, Frank Hirst, on premises. Concrete block,

1 story, 19x60 feet. Contract awarded to John Ely, Bustleton, Philadelphia.

Coal Office and Garage, Southeast Corner Hunting Park avenue and Pennsylvania Railroad, \$3,000. Architect, private plans. Owner, William F. Kohler, Sixth and Annsbury streets, Philadelphia. Concrete block, 1 story, 53x24 feet. Contract awarded to John Housework, 2512 North Twenty-seventh street, Philadelphia.

Garage, Southwest Corner Rising Sun avenue and Longshore street, \$30,000. Architect, private plans. Owner, Richard Foster, Front and Allegheny avenue, Philadelphia. Brick, 1 story, 50x200 feet, slag roof, cement floors, electric work. Contract awarded Northern Cons. Co., 5302 North Fifth street, Philadelphia.

Store (alts.), 130 South Eighth street, Philadelphia, \$3,000. Architect, private plans. Owners, Babian Brothers, 929 Chestnut street, Philadelphia. General alterations. Contract awarded John Campanaro, 1525 South Carlisle street, Philadelphia.

Miscellaneous Contracts awarded, Philadelphia. Owners, Department of Public Works, City Hall. Lamps for Broad Street Subway to W. V. Pangborne, 1927 West Montgomery avenue, Philadelphia, \$65,000. Bituminous materials to Atlantic Refining Co., 260 South Broad street, \$8,460. Paving alleys, W. J. & J. B. McHugh, 892 North Markoe street, Philadelphia, \$5,731. Sewer in Van Kirk street, V. S. Campellone, 3856 North Tenth street, Philadelphia, \$6,900. Broad street, Wagner to Loudon, paving, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$12,000. Benches, etc., Elmwood Park, G. F. Dobbins, 1020 South Forty-seventh street, Philadelphia, \$16,000. Oils, Barrett Co., Thirty-sixth and Gray's Ferry avenue, \$6,130.

Bridge No. 7, Belmont avenue, Manayunk, Pa. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Reinforced concrete. Contract awarded Seeds & Durham, 6320 Wissahickon avenue, Philadelphia.

Dyehouse (add.), W. side Mascher street, S. of Loudon street, Phila., \$6,700. Architect, private plans. Owners, Cambria Silk Hosiery Co., 176 W. Loudon street, Phila. Brick, 1 story addition, 33x50 feet. Contract awarded to Wm. F. Lotz, Oxford Bank Building, Phila.

Fraternity House, 38th and Locust streets, Phila. Architect, Alex. Mackie Adams, 1012 Walnut street, Phila. Owner, Alpha Epsilon Pi, care of architect. Brick, cut stone, 3 stories and basement, 23x89 feet, slate roof,

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators

1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murph

THE MURPHY DOOR E

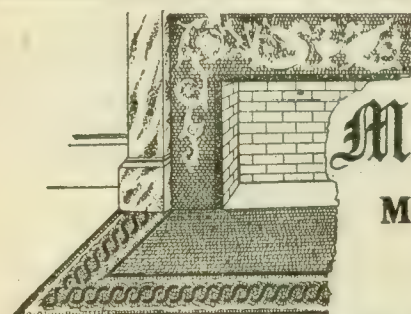
512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

THERE IS ONLY ONE IN-A-D
"THE MURPHY"

**DAILY BUILDING NEWS
LEADS TO BUSINESS**

DAILY BUILDING NEWS
1530 CHESTNUT STREET . PHILADELPHIA



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

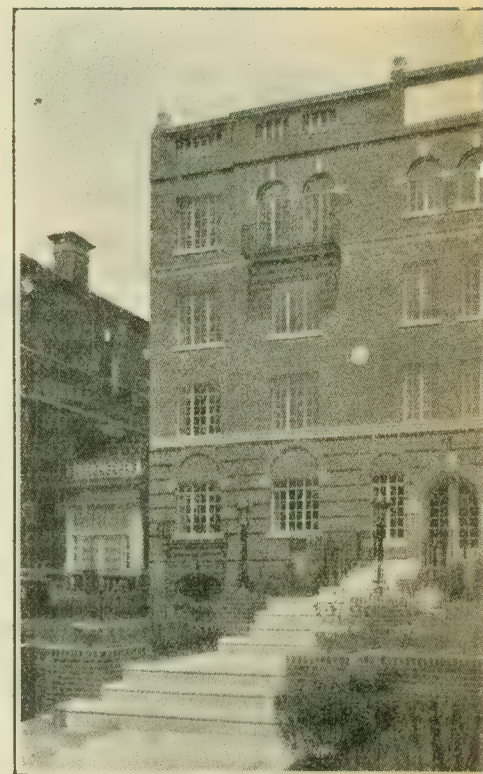
BUILD WITH
ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

For a Beautiful, Co
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



TRUSCON STO

Protects Masonry S

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by apply

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

BEDS

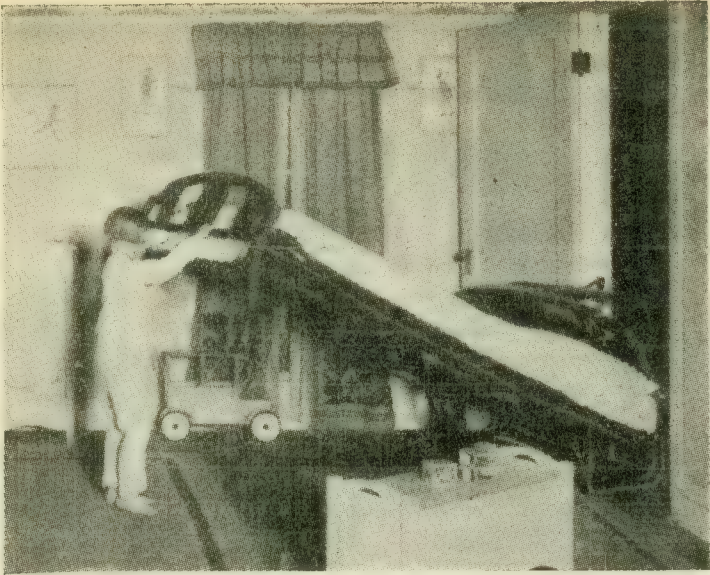
omes
rings

call at our
ain kitchen
g boards as
Beds

D CO.

ey Building
44th Street
w York

R BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

ecks are beginning to show,
g Truscon STONETEX.

and the concrete is spalling
stopped by the application

oes it prevent moisture
also covers the surface
ies flat. It does not
ke masonry.



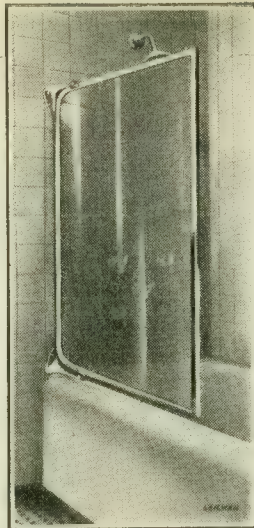
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

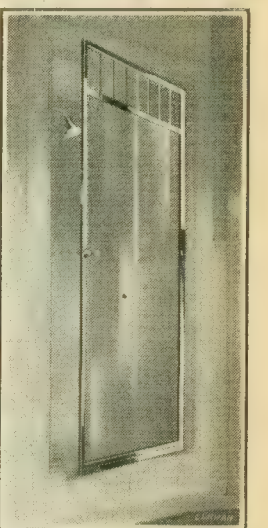
LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

pine and oak floors, tile and marble work, dumbwaiter. Contract awarded D. A. McClelland, Drexel Building, Phila.

TRIDENT
WATER METERS
 For New and Old Properties
 PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
 FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
 "THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
 PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

Garage (alts.), 11th and Indiana avenue, Phila. Architect, private plans. Owner, Bell Telephone Company, 19th and Arch streets, Phila. Plumbing, heating, alterations, mill work, miscellaneous iron work, wire partitions, painting, glazing, brick work, carpentry and mill work, plastering, hollow tile, electric, kalamein doors. Contract awarded Barnes Const. Co., 1828 Arch street, Phila., who is taking sub-bids.

Garage and Service Station (alts. and add.), 709 Oregon avenue, Phila. Architect, Louis J. Tonk, 10 S. 18th street, Phila. Owner, A. Wachs, on premises. Carpentry and millwork, plastering, glazing, metal lath, tile work, plumbing, hardware. Contract awarded H. A. Hopple, Heed Building, Philadelphia.

Pennsylvania Construction News

Residence, Newtown Square, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owner, Dr. Alfred Stengel, Newtown Square, Pa. Cinder block, stucco, 2½ stories. Plans in progress.

Residence, Hope Valley, Pa. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Gilbert C. White, care of architect. Plans in progress. Too early for details.

Store Building, South Braddock, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, Hugh P. McMahon, South Braddock, Pa. Plans in progress.

Armory, Norristown, Pa. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Pennsylvania State Armory, Capitol Hill, Harrisburg, Pa. Plans in progress.

Armory, Lock Haven, Pa. Architect, J. F. Kuntz, 909 Westinghouse Building, Pittsburgh, Pa. Owners, State Armory Board, F. D. Beary, Harrisburg, Pa. Brick, 1 and 2 stories. Plans in progress.

State Hospital (add.), Nanticoke, Pa., \$75,000. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Nanticoke State Hospital, care of Superintendent, Nanticoke, Pa. Brick, 2 stories. Plans in progress.

Filling Station, West Earl street, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Charles R. Shum, care of architect. Brick, 1½ stories, 60x100 feet, tile roof, concrete floors, ornamental iron, floor hardener, tile work, electric light. Plans in progress.

School (add.), Penn Square, Pa. Architect, W. K. Phillips, 215 South Fifth street, Philadelphia. Owners, East Norriton School District, Penn Square, Pa. Stone, brick, 2 sto-

ries, 60x80 feet, 6 class rooms, pine floors, warm air heat, electric light, boiler, fireproofing. Plans in progress.

Sewers, Rosemont, Garrett Hill, Villa Nova, Pa. Owners, Radnor Township, W. S. Ellis, Radnor, Pa. Work contemplated.

Apartment House, Haverford, Pa., \$250,000. Architects, Lippincott & Schaefer, 11 South Sixteenth street, Philadelphia. Owner, C. D. Gardner, Real Estate Trust Building, Philadelphia. Brick, stone, 3 stories, 6 shape, 3 wings 40x100 feet each, 40x80 feet, slag roof, hardwood floors, 3 elevators, vapor heat, electric light, tile and marble work, hollow metal skylights, fire towers, fire and kalamein doors, laundry and incinerator. Owner sub-letting.

Junior High School (add.), East End, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 3 stories and basement, 280x125 feet, Barrett roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, wrought iron pipe, iron stairs, bond, fire doors, tile and marble, metal lath (heating, plumbing and electric separate). Will be ready for bids about October 1st.

Residence and Garage, Wayne, Pa. Architects, DeArmond, Ashmeade & Bickley, 20 South Fifteenth street, Philadelphia. Owner, P. H. Stull, Morris Building, Philadelphia. Stone, 2½ stories, 27x41½ feet, 26x33 feet, shingle roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile and marble work. Architects sub-letting.

Laboratory, rear of 1326 Markley street, Norristown, Pa. Architect, E. Lane Crawford, 509 Swede street, Norristown, Pa. Owners, Frost Research Laboratory, Norristown, Pa. Hollow tile, plaster, 1 story, 70x70 feet, slag roof, cement floors, plumbing, electric light. Plans in progress. Architect will be ready for bids in one month.

Parish House and Gymnasium, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. John's German Lutheran Church, Rev. R. Ischinger, 530 Walnut street, Reading, Pa. Brick, concrete, steel, 2 stories and basement, 45x103 feet, slate roof, mastie and hardwood floors, hollow tile, showers, kitchen equipment, steam heat, electric light. Owners ready for bids about October 1st.

Hegins Township High School, Valley View, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Valley View School Board, Robert E. Bossler, Valley View, Pa. Brick, fireproof, 2 stories and basement, 74x230 feet, 1 story, 84x120 feet, built-up and slate roof, hardwood floors, hollow tile, safety treads, roof ventilators, waterproofing and dampproofing, brass pipe, ornamental iron, iron stairs, fire doors, skylights, steel sash, tile and marble, metal lath. Owners ready for bids due October 7th.

Consolidated School, Mt. Pleasant, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Mt. Pleasant School District, J. D. Brenneman, Mt. Pleasant, Pa. Frame, 2 stories, 3 rooms, asphalt roof, oak floors (heating, plumbing, electric separate). Owners ready for bids due October 1st.

Buildings, Cressona, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Company, Twelfth and Market streets, Philadelphia. Brick, reinforced concrete, steel, Barrett specification roof, cement and asphalt floors, plumbing, dampproofing, rolled steel sash, hollow metal doors, bond, ornamental iron work, iron pipe, metal lockers, engine house, 1 story, 115x167 feet, Leanto, locker and toilet rooms, 1 story, 37x100 feet, 100-foot turntable pit, two 85-foot inspection pits, foundations for steel wa-

Lebanon Co., R-140, A-4885, E. Hanover Township. One course reinforced concrete. D. L. Risser, Lebanon, Pa., \$92,971.03. Delaware Co., R-420, A-4943, Upper Darby and Darby Townships, Clifton Heights, Aldan, Folcroft, Collingdale and Glenolden Boroughs. One course reinforced concrete. Wm. Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$135,753.16. Westmoreland Co., A-346-347, Adamsburg Borough, Hempfield Township. One course reinforced concrete. Yost Const. Co., Pittsburgh, Pa., \$86,291.30. Erie Co., R-85, 295, Albion Borough. Bituminous sur-

face course. M. A. McCormick, Erie, Pa., \$32,206.38. Erie Co., A-4709, Harbor Creek Township, Wesleyville Borough. One course reinforced concrete. Chas. H. Fry Const. Co., Erie, Pa., \$35,053.25. Somerset Co., A-362, Shade Township. One course reinforced concrete. The Windber Const. Co., Windber, Pa., \$26,937.15. Delaware Co., A-4682, Tinicum Township. One course reinforced concrete. Wm. Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$72,865.35. Green Co., R-616, S-1, Dunkard Township. One course reinforced concrete. McCrady Bros. Co., Braddock, Pa., \$160,536. Bucks Co., R-153, Sellersville Borough. One course reinforced concrete. H. C. Kersteen Co., Kingston, Pa., \$27,253.46. Indiana Co., R-67, Sec. 1, White and Armstrong Townships. One course reinforced concrete. M. Bennett & Sons, Indiana, Pa., \$256,857.45.

ing, Philadelphia. Owners, Board of Education, Eddystone, Pa. Brick, steel, limestone, granite, 94x53 feet, wing 99x40 feet. Contracts awarded: S. Sidney Lewis, 121 North Broad street, \$82,478; plumbing, J. V. Covington, Eddystone, Pa., \$7,450; heating and ventilating, American Heating & Ventilating Co., Schaff Building, \$20,946; electric, Nathan Peehin, Wayne, Pa., \$5,222.75.

Contract No. 181, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: J. McShain, 1713 Sansom street, Philadelphia, \$282,207; Golder Const. Co., 263 South Fifteenth street, Philadelphia, \$321,725.

Library Building, Selinsgrove, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Susquehanna University, Senator Steel, Northampton, Pa. Concrete, steel, brick, cinder block, 2 stories, gypsum slate roof, composition floors, dampproofing, ornamental iron, steel sash, electric light. Contract awarded to Brosious Lumber Co., Sunbury, Pa.

Lodge, Apartment and Gymnasium, Coplay, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, P. O. S. of A., John Frickert, secretary, Coplay, Pa. Brick, steel, cinder block, 2 stories, 132x46 feet, composition roof, oak and linoleum floors, roof ventilators, ornamental iron, floor hardener, casement windows, tile work (heating, plumbing and electric separate). Contract awarded J. S. Foose, Coxetown, Harrisburg, Pa.

School, Coplay, Pa. Architect, G. C. Freeman, Liberty Bank Building, Reading, Pa. Owners, St. Peter's Roman Catholic Church, care of D. Cardinal Dougherty, Eighteenth street above Race, Philadelphia. Brick, steel, 3 stories, 55x107 feet, composition roof, yellow pine floors, hollow tile, safety treads, roof ventilators, fire doors, steel sash, tile work (heating, plumbing reserved), electric light. Contract awarded Butz & Clader, 519 Hamilton street, Allentown, Pa.

Factory (add.), Eighth street, Reading, Pa. Architect, F. A. Mullenberg, Ganster Building, Reading, Pa. Owners, Penn Optical Co., 224 South Eighth street, Reading, Pa. Brick, steel, 2 stories, 27x32 feet, composition roof, concrete floors, waterproofing, fire doors, steel sash, electric light. Contract awarded Reider & McLaughlin, 1504 Alsace road, Reading, Pa.

Twin Residence, Schuylkill, Pa. Architect, Harry Maurer, 234 North Fifth street, Reading, Pa. Owner, F. B. Keller, 1 Main street, Schuylkill, Pa. Stone, 2½ stories, 40x80 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded to Burton Cooper, Port Carbon, Pa.

Residence, Lakeside, Mahanoy City, Pa.

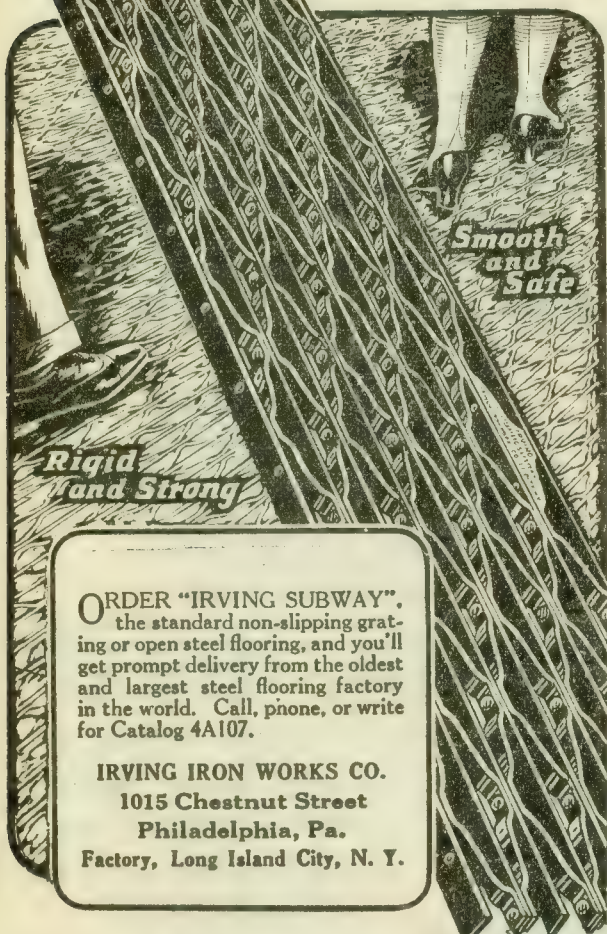
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
SUBWAY
FLOORING

Pennsylvania

Contracts Awarded

Telephone Building (alts. and add.), Pitts-
ton, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Nineteenth and Arch streets, Philadelphia. Brick, steel, 3 stories and basement, 52x40 feet, slag roof, cement floors, plumbing, waterproofing, architectural terra cotta, ornamental iron work, iron stairs, bond, metal lath, electric light, steam heat. Contract awarded J. Curtis & Co., Wilkes-Barre, Pa.

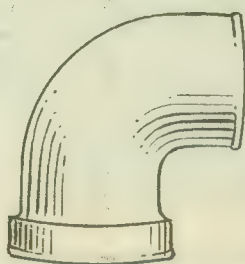
Residence and Garage, Villa Nova, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, Mrs. Thomas E. Jones, 145 West Susquehanna avenue, Philadelphia. Brick, 2½ stories, 85x35 feet, wing 23x28 feet, slate roof, hardwood floors, electric light. Contract awarded W. D. Lukens, North Wales, Pa.

Bus Barn, Llanerch, Pa. Architect, private plans. Owners, Philadelphia & West Chester Railroad Co., Sixty-ninth and Market streets, Philadelphia. Brick, steel, 1 story, 136x65 feet, slag roof, cement floors, steam heat, electric light, metal lath, rolled steel sash, ornamental iron work. Contract awarded J. N. Gill Const. Co., City Center Building, Philadelphia.

Residence and Garage, Cynwyd, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Percy Clarke, Cynwyd, Pa. Stone, 2½ stories, slate roof, hardwood floors, electric light, tile work. Contract awarded Lower Merion Realty Co., Land Title Building.

School (add.), Eddystone, Pa. Architects, MacKenzie & Wiley, Bankers' Trust Build-

Clausen Service—



It is efficient every working day of the year. Get in the habit of buying your

**TERRA COTTA
SEWER PIPE FLUE LINING WALL COPING**

from **William H. Clausen**

Columbia 6526-6527 27th and Diamond Streets, Philadelphia

Park 4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

ter tank, one valve pit, alterations to building for storehouse. Owners taking bids due October 3rd.

Residences (2), Bryn Mawr, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, G. Herbert Taylor, 1518 Walnut street, Philadelphia. Stone, 2½ stories, 72x48 feet, 69x33 feet (heating, plumbing, electric reserved), 3 tile baths. Owner taking bids due October 1st.

Bank Building, Bryn Mawr and Lancaster avenues, Bryn Mawr, Pa. Architects, Thomas M. James Co., 342 Madison avenue, New York. Owners, Bryn Mawr Trust Co., P. A. Hart, president, Bryn Mawr, Pa. Brick, limestone, steel, 2 stories and basement, 95x35 feet. Architects taking bids due October 14th.

High School, Sayre, Pa. Architects, Randall & Vedder, 703 Sedgwick avenue, Syracuse, N. Y. Owners, Sayre School District, L. B. Seddon, Sayre, Pa. Associate architect, H. C. Child, 501 South Keystone avenue, Sayre, Pa. Brick, 2 stories. Owners taking bids due October 3rd, at 8 P. M.

Church and Sunday School (alts.), Franklin street, between Fourth and Fifth streets, Reading, Pa. Architect, H. Raymond Heckman, 702 Baer Building, Reading, Pa. Owners, Universalist Church, Rev. Griswold Williams, Wyomissing, Pa. Stone, brick, 2 stories, 74x100 feet, slate, tin and composition roof, roof ventilators, morene wall finish, bond, hollow metal skylights, vapor heat. Architect taking bids due September 29th.

Club House (add. and alts.), Scranton, Pa. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owners, Scranton Eagles, care of architect. Brick, 4 or 5 stories add., 82x40 feet, hardwood floors, electric light. Architect taking bids due October 1st.

Stores (2), Office and Apartment, Market street, between Third and Fourth streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, J. Gouvallas, care of architect. General alterations. Architect and owner taking bids.

Temporary Building, Capitol Park Extension, Harrisburg, Pa. Owners, Department of Property and Supplies, B. E. Taylor, Harrisburg, Pa. Frame, stucco, 2 stories, 3,200 square feet, asphalt roof, wood floors. Low bidder: C. W. Strayer, Fifth and Division streets, Harrisburg, Pa., \$49,997.

Miscellaneous Work, Chester, Pa. Owners, School District, Chester, Pa., C. E. Sander-son, Larkin Building. Owners taking bids due October 3rd, 8 P. M. Approximately furnish 31 pieces 3x12x24 feet, long leaf Y. P., 3,200 square feet 2x6 feet Y. P. floor plank-ing, Booker T. Washington School. Install heating system, Booker T. Washington Portable School, electric, water and gas service. Furnish and install dampers in cold air duct, Smedley Junior High School. Furnish and erect 16,000 feet wire chain link for iron fence to enclose Smedley Athletic Field. Certified check, 10 per cent. on last item.

Eighth Street Relief Sewer, Chester, Pa. Engineer, Robert C. Wheeler, Albany, N. Y. Owners, City of Chester, Bureau of Highways, Chester, Pa. Owners taking bids due October 7th. Certified check, 5 per cent.; bond, 50 per cent. Deposit, \$10, refunded.

1,590 lineal feet 60-inch precast concrete pipe sewer and appurtenant work.

Grading, Norristown, Pa. Engineer, S. C. Corson, Norristown, Pa. Owners, Borough of Norristown, Pa. Approximately 4,318 cubic yards grading. Certified check, 5 per cent. Owners taking bids due September 29th, 7 P. M.

Cutting Building, Myerstown, Pa. Architect, Calvin J. Young, 226 N. 6th street, Reading, Pa. Owners, S. Liebovitz & Sons, Inc., 75 Leonard street, New York City. Brick, steel, 1 story, 65x295 feet, Barrett roof, wood on concrete floors, vapor heat, steel sash, metal skylights, kalamein doors, cast stone. Plans in progress.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Low bids received September 22nd, 1927. Venango Co., R-205, Cornplanter Township, Rouseville Borough. One course reinforced concrete. Hilliron Const. Co., DuBois, Pa., \$31,688.58. Allegheny Co., R-120, Sec. 3-B, Pittsburgh and North Braddock Boroughs. Vit. brick pavement on a concrete base. McCrady Bros. Co., Braddock, Pa., \$55,133.25. Butler Co., R-387, Saxonburg Borough, Buffalo and Winfield Townships. One course reinforced concrete. State Const. Co., New Kensington, Pa., \$164,458.90. York Co., A-2794, 2796, Dallastown and Yoe Boroughs. One course reinforced concrete. D. D. Miller, trading as Red Lion Const. Co., Red Lion, Pa., \$70,915.38. Fayette Co., R-288, Sec. 5, A-4269, No. 4965, N. Union and Henallen Townships. One course reinforced concrete. Hardy and Rankin Co., Canonsburg, Pa., \$156,851.90. Erie Co., Bridge A-4900, LeBoeuff Township. Hilliron Const. Co., DuBois, Pa., \$39,917.14. Westmoreland Co., A-4561, 258 and 259, E. and S. Huntingdon Townships. One course reinforced concrete. J. C. Mickey, Latrobe, Pa., \$249,800.44. Cambria Co., R-406, S-1, Allegheny township. one course reinforced concrete. A. R. Cooper, Parkers Landing, Pa., \$92,678.45. Bucks Co., A-4947-8, Bristol Township, Bristol Borough. One course reinforced concrete. Wm. Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$38,766.15. Warren Co., A-4014, Brokenstraw Township. Bituminous surface treated macadam surface course. Jemieson & Knapp Co., Fredonia, Pa., \$113,316.61. Somerset Co., R-50, S-5, Milford and Middle Creek Townships. One course reinforced concrete. James & Nicholson, Inc., Johnstown, Pa., \$45,066.70. Chester Co., R-543, Tredyffrin Township. One course reinforced concrete. Frank

Mark Const. Co., N. and Wingohocking streets, Phila., \$66,003.07.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Low bids received September 23rd, 1927. Bedford Co., R-222, Sec. 2 and 3, A-4855, W. St. Clair Township, Pleasantville Borough. One course reinforced concrete. Brady & Shauls, Mechanicsburg, Pa., \$63,045.46. McKean Co., R-236, Ceres Township. One course reinforced concrete. Smouse & Kreamer, Galetton, Pa., \$120,624.84. Westmoreland Co., A-20, 321, Salem Township. One course reinforced concrete. M. J. McMahon, DuBois, Pa., \$95,583.20.

Lewis Lumber Co.

Lumber
Stock Millwork
Jobbers' Lumber
Sheetrock
Flintkote Shingles

324 Sloan Street
Philadelphia

(Between 39th and 40th, off Powelton Ave.)

Phone, Evergreen 4769

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

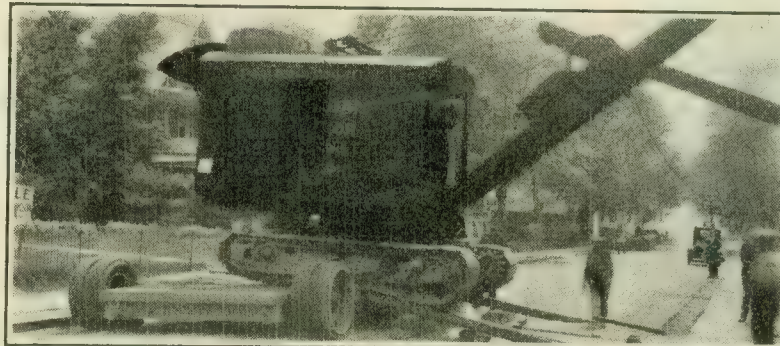
Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Architect, J. B. Thompson, 34 South Seventeenth street, Philadelphia. Owner, John Southall, Mahanoy City, Pa. Brick, frame, 2½ stories, 28x42 feet, asbestos roof, pine floors, plumbing, hot water heat, electric light. Contract awarded Park Crest Building Supply Co., Barnesville, Pa.

Bridges (3), Montgomery County, Pa. Owners, Montgomery County Commissioners, W. C. Irvin, Norristown, Pa. Contracts awarded: Gratersford Bridge, to J. B. Ziegler, Limerick, Pa., \$3,800. Swamp Creek, Douglas Township, to W. U. Kielor, Springmont, Pa., \$5,210. Low bidders, Sehlegel Creek, Douglas Township, A. D. Strayer, Shillington, Pa., \$7,895; West Branch Creek, Upper Hanover Township, Pa., A. D. Stoyer, Shillington, Pa., \$1,695.

School, Southampton, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owner, Board of Education, Mrs. J. W. Noble, Secty., Southampton, Pa. Brick, hollow tile, 2 stories, 4 rooms, unit system heat, electric light, slag roof, maple floors, steel work, ventilation, stone work. Contract awarded Chancellor Day, 2644 Rhawn street, Phila., \$17,698.

Home, Moreland Road, Upper Dublin Township, Montgomery County, Pa. Architect, LeRoy B. Rothschild, 215 S. Broad street, Phila. Owner, Jewish Convalescent Home, Bankers Trust Building, Phila. Reinforced concrete, brick, 3 stories and basement, 195x36 feet, wing, 91x52 feet, slag roof, cement floors, hollow tile, elevators, safety treads, meta lweatherstrips, Onondalga cast stone, metal hollow doors, tile and marble work, metal lath, electric light, oil burners, steam heat. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Washington Co., R-108, S-3, N. Strabane Township. One course reinforced concrete. Contract awarded Benj. Franklin, Jr., Crozer Building, Phila., \$91,938.09. Blair Co., R-493, S-1, A-5019, Logan Township. One course reinforced concrete. Contract awarded Chas. Winters Construction Co., Butler, Pa., \$35,519.70. Huntingdon Co., R-46, S-2, Hopewell Township. One course reinforced concrete. Contract awarded to Paul Const. Co., Cresson, Pa., \$138,888.87.

New Jersey Construction News

Residential Apartment Hotel, Diehl Drive and West street, Asbury Park, N. J., \$1,500,000. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, name withheld. Stone, brick, steel, concrete, 10 stories and basement under one-half of building, 3 wings, 1,000 rooms, 600 baths, 200x100x150 feet x irregular, elevators, electric light. Preliminary plans in progress.

Stores and Apartments (2), Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, M. M. Seidelman, care of architect. Brick, steel, 2 stories, 25x80 feet, slag roof, maple floors, dampproofing, tile and marble, electric work. Plans in progress.

Apartment, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J.

Owner, name withheld. Brick, steel, 5 stories, 80x78 feet, slag roof, hardwood floors, elevators, dumb waiters, roof ventilators, damp-proofing, area gratings, brass pipe, ornamental iron, iron stairs, fire doors, steel sash, tile and marble, electric light, vapor heat. Plans in progress. Will take bids in a week.

Klockner School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood School, Trenton, N. J. Fireproof, 2 stories, 8 rooms and auditorium, slag roof, maple floors, safety treads, roof ventilators, iron stairs, steel skylights. Will be ready for bids next week.

Kruser School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood School, Trenton, N. J. Fireproof, 2 stories, 8 rooms, slag roof, maple floors, roof ventilators, iron stairs, skylights (heating, plumbing and electric separate). Will be ready for bids next week.

Home (add.), Municipal Colony, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, City of Trenton, L. D. Hirsch, Clerk, City Hall, Trenton, N. J. Brick, steel, 2 stories, 106x60 feet, 37x40 feet, slate roof, tile and linoleum floors, electric work, steel sash, fire escape. Owners taking bids due September 30th.

School Building (alts.), North Wildwood, N. J. Architects, Stackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Board of Education, North Wildwood, N. J. Owners taking bids due October 4th.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 17, Sec. 2, Pedricktown Relocation, Salem County. Unclassified excavation, borrow, gravel surface. Owners taking bids due October 10th at noon. Deposit, \$10. Certified check, 10 per cent.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton,

N. J. Big Timber Creek Bridge, Route 6, Secs. 17 and 18, Camden and Gloucester Counties. Foundation, excavation, wooden piles, concrete, reinforcing steel, structural steel, creosoted timber. Owners taking bids

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

*For Demonstration and Proof
Call Lansdowne 3370 W*

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

due October 10th at noon. Deposit, \$10. Certified check, 10 per cent.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Furnishing and planting 5,310 ornamental shade trees along State Highway Routes 1, 2, 3, 4, 7, 9, 12, 15, 16, 20 and Route 30. Owners taking bids due October 10th at noon. Certified check, 10 per cent.

Highway Work, New Jersey. Owners, State Highway Commission, Broad Street Bank Building, Trenton, N. J. Routes 18 and 20, Malaga Relocation and Grade Crossing Elimination. Low bidders: Burket Const. Co., Vineland, N. J., \$60,190.88.

Curbs, Sidewalks, Gutters and Grading, Gloucester, N. J. Engineer, A. J. Albertson, Borough Engineer, Camden, N. J. Owner, Township of Gloucester, C. E. Self, Blackwood, N. J. Certified check, 5%, bond, 100%. Owner taking bids due Oct. 5th, 8 P. M. Approximately 1,8400 cubic yards excavation; 4,696 square feet concrete sidewalks, 1,191 feet integral curbs and gutters, 240 square yards reinforced cross gutters, 1 manhole and cover, 1 city inlet, 162 lineal feet 24-inch terra cotta pipe, 1,214 feet grading, 3,060 cubic yards excavation.

Auto Bridge, Longport to Ocean City, N. J. Owner, Company, care of Postmaster E. Sutton, Ocean City, N. J. Baseula with drawn, with 100-foot clearance, between piers and vertical clearance. Project approved by War Department.

New Jersey Contracts Awarded

Municipal Building, Lavalette, N. J. Architect, E. H. Schmieder, Spring Lake, N. J. Owner, Borough of Lavalette, N. J. Brick, steel, 2 stories and basement, 44x40 feet, slag roof, cement and maple floors, hollow tile, metal lath, metal ceilings, architectural terra cotta, ornamental iron work, cinder concrete block, septic tanks, metal lath, metal toilet, partitions, ornamental iron work, rolled steel sash, tile work. Contract awarded E. T. Eller & Son, Asbury Park, N. J., \$19,930.

Church, Runnemede, N. J. Architect, H. L. Radey, Collingswood, N. J. Owners, Trinity Lutheran Church, Runnemede, N. J. Brick, steam heat, 40x75 feet, slate roof, pine floors, electric light. Contract awarded W. A. Becker, Runnemede, N. J., \$26,000.

Bank (alts.), 1598 Mt. Ephraim avenue, Camden, N. J., \$8,000. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, Broadway Merchants' Trust Co., Broadway and Walnut streets, Camden, N. J. General alterations into bank. Contract awarded Costanza Brothers, 1540 Mt. Ephraim avenue, Camden, N. J.

Building (alts.), 2981 Yorkship Square, Camden, N. J., \$3,370. Architect, private plans. Owners, West Jersey-Parkside Bank, Camden, O. J. General interior alterations into bank. Contract awarded John J. Welsh & Son, 529 Washington street, Camden, N. J.

Warehouse, 2202-04 Federal street, Camden, N. J., \$9,800. Architect, private plans. Owners, Cambria Investment Co., East End Trust Building, Camden, N. J. Block, 1 story, 60x100 feet, Carey roof, electric light. Contract awarded Prince Concrete Co., 212 North Thirty-eighth street, Camden, N. J.

Bank (alts.), Collingswood, N. J. Architect, Herbert J. Radey, Collingswood, N. J. Owners, Collingswood National Bank, Collingswood, N. J. Brick, 2 stories, 25x48 feet, slag roof, composition floors, heating extension, electric light, ornamental plastering. Contract awarded to J. D. Hill, Collingswood, N. J.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Relocation Route 14, Sec. 18, May's Landing, Atlantic County. Contract awarded Mazzola & Marano, 739 South Seventh street, Philadelphia, \$227,678.86.

Miscellaneous Construction News

Residence, near Clemmons, N. C. Architect, C. Barton Keen, 338 South Smedley street, Philadelphia. Owner, R. E. Lasater, care of architect. Brick or stone, 2½ stories, slate or tile roof (plumbing, heating, electric, tile and marble work reserved). Plans in progress. Ready for bids in 2 weeks.

Residence, Hope Valley, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Professor Harry Branscomb, care of architect. Brick, 2 stories, wood shingle roof, hardwood floors (plumbing, heating, electric, tile and marble work reserved). Plans in progress. Ready for bids in 3 weeks.

Residence, Hope Valley, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Professor H. K. Miller, Jr., care of architect. Frame and brick, wood shingle roof, hardwood floors (plumbing, heating, electric, tile and marble work reserved). Plans in progress.

Residence, Hope Valley, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, H. E. Snow, care of architect. Brick, stone. Plans in progress. Too early for details.

Residences (4), Twenty-eighth street and Boulevard, Wilmington, Del., \$35,000. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owners, Peter W. Newell & Son, 801 West Ninth street, Wilmington, Del. Tapestry brick, (2) 3 stories, 30x40 feet, (2) 2 stories, 20x30 feet, oak floors, slag, tin, tile and slate roofs, tile work. Owners will build.

Residences (4), Twenty-sixth street, Wilmington, Del., \$28,000. Architect, private plans. Owners, W. S. and F. J. Boyce, 3314 Madison avenue, Wilmington, Del. Brick, 2 stories, 21x32 feet, slate roof, pine floors, hot water heat, electric light, tile work. Permit issued.

School Building, Mount Storm, West Virginia. Owner, School Board, Mount Storm, West Virginia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Plans in progress.

Miscellaneous Contracts Awarded

Portsmouth Bridge, Sciotoville, Ohio. Architect, private plans. Owners, City of Sciotoville, Ohio. Reinforced concrete cement floors. Contract awarded Golder Const. Co., 263 South Fifteenth street, Philadelphia.

Medical Arts Building, Wilmington, Del. Architects, Peebles & Ferguson, Norfolk, Va. Owners, Technical Building Service Corp., Norfolk, Va. Concrete, brick, steel, 6 stories, 86x52 feet, slag roof, cement and linoleum floors, hollow tile, elevators, roof ventilators, metal weather strip, waterproofing, architectural terra cotta, ornamental iron, bronze doors, kalamein doors, tile and marble, steam heat, electric light. Contract awarded Lee Paschill, American National Bank, Richmond, Va.

Apartment House (add. and alts.), 904

North Adams street, Wilmington, Del., \$3,000. Owner, George S. Charles, 701 Tatnall street, Wilmington, Del. Brick, third story add., 14x33, general alterations, pine floors. Contract awarded George S. Charles & Son, 701 Tatnall street, Wilmington, Del.

QUANTITY—QUALITY—PRICE

By E. J. BRUNNER, Editor, *The American Contractor*

(Address delivered before the Second Annual Meeting of the American Institute of Quantity Surveyors, at Washington, D. C.)

Quantity—Quality—Price is the basis of commerce and of industry. Men toil, delve, fight and sell quantity and quality for a price. The adjustments between quantity and quality on the one hand and price on the other have been going on since the days of Ipus who was the first contractor who executed a lump sum contract as of record.

This man Ipus, so I have discovered, being the first man to do so, was an enterprising individual in the pastoral ages who possessed certain skill in putting up the rude hut required for human beings together with their flocks. Possessing an active mind, he conceived the idea of building for others at a profit.

On his first job, he agreed that the lump sum price should be his taking one of the beautiful wives of his client who was rich in collected pulchritude. He fulfilled the construction expeditiously, not being burdened with plans and specifications or hampered with an architect or architect's superintendent. He made a nice job of it, and then with a club,—probably a relic of the distant stone ages, started out to collect. The story goes that the lady of his choice had little faith in a man who would venture into such a gambling game as building a hut for another, and besides did not like the splinters he left on the built-in bed posts. She was a typical club woman herself and beat him to the clubbing act. Therefore, Ipus drew only a big hard lump on his head for his pains, and ever since that time when that constituted the lump sum payment to Ipus, the ordinary transaction in the construction industry has been called the lump sum contract.

None of the many marvelous inventions of men down through time has been perfect, and so, too, in industrial and economic relationships, no perfect system has been worked out. While progress constantly forges toward apparently more perfect schemes, we still have many relationships which are startlingly illogical even as we see them, and you know in any age the great masses look on the present as being about the last word.

We can well suppose that in the eleventh century, people living under the feudal system thought that conditions

were pretty good. A few thought things might be improved a bit. We think about that same way today and we have reformers, students, and men of action who are not quite so well satisfied who are trying to the common end of bettering labor relationships, taking lost motion and waste out of our distribution system, evaluating the influence of hand to mouth buying, and trying to figure the ultimate significance of the \$10 down an \$5 a week fever which has resulted in an eruption of automobiles, etc.

Consequently, it is quite natural, and not out of line with conditions in all industry, that inspection of the great construction industry with its rapidly growing complexity should reveal some practices which appear to have grown up illogically.

And yet when we trace through their growth, we can see the reason why they have been so moulded as time has gone on. It is through such study that men come to see what changes might be made for the better.

Now let us look to the practice of competitive bidding which has existed since the day when Ipus had a competitor, largely on a lump sum basis, and often with worse effect upon the contractor than was meted out to Ipus.

The essence of fact behind a modern transaction in placing a construction contract on a lump sum basis is that a party commonly called the owner employs either his own or other's services to execute what is commonly called a set of plans and specifications. Through years of experience it has become possible, but shall we go so far as to say probable, that this set of plans and specifications will be so complete and exact that from them trained persons may compute the labor costs and the material costs and by adding to these certain other items such as overhead costs and profits arrive at a contract price to deliver the building broom clean. We can say, gentlemen, that we have arrived at a stage of experience where this can be done.

However, to stick to facts, the plans and specifications are not always perfect, and contractors individually are so tied down in their own interests in maintaining proper relations with architects that they cannot use the proper leverage in most cases to have them made perfect,—the trained men who are the estimators are not always well trained or perfect and sometimes operate in great haste thus increasing their likelihood of not doing their best.

And so we have an essence of fact that today throughout this great country, jobs everywhere are being bid upon by anywhere from two to twenty contractors; and regardless of the fact that no matter which one gets the job, it will take so and

so many brick, just so much mortar, and just so much concrete, you will find that the several bidders on any one job have not except in rare instances arrived at the same quantities to bid upon. The several bidders are bidding on the individual quantities they have set up each for himself, and in the knowledge that all cannot be right. This in the face of the fact that today we have made progress where such a condition would not necessarily have to exist.

And yet when we go into the "why this is so," we find that not so long ago structures were comparatively simple and so were the plans and specifications, providing there were any. In those days, the only thing to do was to gamble on the amounts of materials required. In fact, the cube of the building told the story. There were few materials used and fewer specialties. Materials were fairly cheap. There was no such thing as cost accounting in contracting or in any other business. The grocer, in those days, would "guess out" 5 pounds of 3c sugar. The old cracker barrel was dipped into with a

big scoop on a guess proposition. A bushel of 12c potatoes was not weighed.

It is not strange that in contracting for the erection of a structure which exists only on paper, there should be a holdover from the old conditions where the shrewdest guesser came out best. Neither is it strange that even today there is the feeling among contractors that "my way of estimating" and "my estimating department is more accurate than the other fellow's." Nevertheless, that feeling is the admission that accuracy is not prevalent.

THE EFFECT OF TAKING A CHANCE ON QUANTITY IS THE TAKING A GREATER CHANCE ON PRICE. THE EFFECT OF TAKING A GREATER CHANCE ON PRICE IS PRICE REDUCTION, OR, IN OTHER WORDS, IS THE BASIS OF CUTTHROAT COMPETITION WHERE AND AS IT EXISTS AMONG CONTRACTORS.

For instance, if I am bidding on a 10,000 unit quantity which I feel sure is the right quantity, and know that my

ESTIMATED VALUE OF BUILDING PERMITS ISSUED IN PENNSYLVANIA, JANUARY TO JULY, INCLUSIVE

City or Borough	Jan. to July, inc. 1927		Jan. to July, inc. 1926	
	Number of Buildings	Estimated Cost	Number of Buildings	Estimated Cost
Allentown	1,023	\$ 4,572,244	1,138	\$ 4,561,775
Altoona	1,030	1,624,002	1,040	2,012,015
Ambridge Borough	128	578,700	163	926,810
Bethlehem	467	1,499,860	480	1,310,311
Bradford	174	387,773	219	535,549
Bristol Borough	47	237,043	50	143,000
Carlisle Borough	153	449,722	160	307,830
Donora Borough	24	96,900	22	227,400
Duquesne	316	548,455	334	546,657
Easton	198	816,437	235	1,589,261
Erie	1,266	3,039,734	1,302	3,142,300
Harrisburg	686	2,229,685	717	2,747,655
Hazleton	207	1,046,061	204	1,703,590
Lancaster	543	1,554,293	484	1,434,787
McKees Rocks Borough ...	54	378,530	67	341,575
Meadville	101	329,326	95	666,846
Monessen	82	319,685	85	267,613
New Castle	537	2,554,120	520	1,505,190
Oil City	300	771,184	282	314,558
Philadelphia	12,375	72,603,940	12,981	83,118,745
Pittsburgh	4,804	20,407,121	4,979	24,286,389
Pottsville	213	1,355,230	194	1,285,210
Reading	1,514	3,095,450	1,641	4,023,725
Scranton	868	4,132,494	923	3,355,367
Sunbury	99	303,334	96	377,106
Uniontown	135	1,278,581	57	304,610
Warren Borough	77	341,845	101	601,997
Washington	142	369,655	161	312,024
Wilkes-Barre	939	3,466,582	844	2,753,742
Williamsport	524	1,165,181	544	1,583,655
York	500	1,240,074	672	971,516
Total	29,526	\$132,793,241	30,790	\$147,258,808

competitors are bidding on the same quantity, I shall know that the unit price which I set plus the overhead and profit which I will set will be what will determine whether I or someone else gets the job. If I know my unit cost is \$1.00, my bid will be somewhere over \$10,000. I shall feel sure all other bids will be somewhere in the neighborhood of mine.

But if I arrive at the quantity 10,000 units and am not quite sure of it and am reasonably sure that all my competitors have figured different quantities, I cannot take my unit cost of \$1.00 and apply with profit and other items and be sure

that every other bid is going to be within reasonable distance of mine. The fact is, I can feel pretty sure that some poor fellow is going to figure 9,000 units, and then if his unit price is about the same as mine, his bid is going to be \$9,000, plus his added profit and overhead, provided he knows there is such a thing as overhead.

Such is the plight of the contractor today who is in active competition. He has to regard the other fellow's probable gamble on quantity and meet it against his best judgment or lose. Of course, contractors will whenever possible bring

other factors to bear, but all too often the only chance to win a contract is on price.

Now at first this misfortune of the contractor might be thought of as being a boon condition for the owner who will reap the benefit of getting something done for nothing. It is not so because it is against the principle of SELF PRESERVATION FOR ANYONE TO PUT IN QUANTITY AND QUALITY AT A LOSS.

The owner who desires, expects or employs an architect on the assumption of trying to enforce getting more out of a contractor than the contractor is paid for fairly is his worst enemy and seldom profits unless he is shrewd in unloading his building before it has to stand the tests of time.

At first it might be thought that the architect has no direct interest in all this. He has, however, a very direct interest, because when contractors guess on quantities, rather than survey them, a premium is set on incomplete and sketchy plans and specifications. You can guess from them almost as well as from real ones. But given a condition where there is careful checking, the competent architect comes into his own and the incompetent is shown up. An orderly scientific procedure in any industry or affecting any profession or business is directly to the advantage of the business or profession in question.

When quantity is an established fact, then and then only can quality be effectively substituted for price as a basis for bidding.

There is no question in the reasonable mind that quality should be emphasized above price. There is no one connected with the construction industry who is worthy who will not wish for this substitution as promptly as possible. But so long as quantity is gambled with, the substitution of quality for price cannot be made in the wide open field.

Gentlemen, it is not for me to say what will work out of the present situation. Events seem to point out to a steadily growing realization that the establishment of a quantity should precede bidding. Quantity surveying is yet in its infancy, but as is characteristic of healthy infants it is growing rapidly.

The science of quantity surveying will doubtless be a potent factor in rescuing from the present widespread condition of guessing and cutthroat competition which is hurting every man and every interest in the construction industry.

The ultimate rescue will be effected when the building public becomes imbued with the sterling idea that contractors' services should be acquired on the basis of Quantity and Quality backed, of course, by Price.

Type of buildings to be erected according to the permits issued in twenty-seven (27) Pennsylvania cities and boroughs for July, 1927, compared with July, 1926.

Type of Buildings	No.	1927 Estimated Cost	No.	1926 Estimated Cost
<i>New Residential Buildings, Total</i>	1,068	\$ 4,916,138	984	\$ 8,182,646
<i>Housekeeping Dwellings:</i>				
One-family dwellings	1,010	4,127,778	904	4,507,950
Two-family dwellings	44	446,360	52	441,392
One-family and two-family dwellings with stores or shops therewith	3	14,000	9	112,642
Multi-family (three or more families) dwellings	10	53,000	15	2,712,662
Multi-family dwellings with stores or shops therewith .....	..	.....	3	58,000
<i>Non-Housekeeping Dwellings:</i>				
Hotels .....	..	.....	1	350,000
Other non-housekeeping dwellings (bachelor apartments or clubs with bedrooms)	1	275,000	..	.....
<i>New Non-Residential Buildings, Total</i> ..	661	9,722,041	790	7,747,933
Amusement and recreation places	5	300,000	117	1,502,950
Churches	8	454,000	9	810,600
Factories, bakeries, ice-plants, laundries, and other workshops	22	826,190	27	1,132,300
Garages, public	6	35,185	9	52,375
Garages, private, separate from dwell- ings	491	1,080,415	542	646,634
Gasoline and service stations	5	6,161	7	30,700
Institutions (public or private)	1	25,000	3	1,820,000
Office buildings, including banks	5	1,000,100	14	572,375
Public buildings (city, county, state) ...	3	685,000	5	131,509
Public works and utilities	1	25,000	1	50,000
Schools	7	4,004,875	4	572,430
Sheds, poultry houses, and other minor out-buildings	47	6,225	8	2,350
Stables and barns	2	14,000	..	.....
Stores and other mercantile buildings ..	44	1,230,735	30	379,960
All other non-residential	14	29,155	14	43,750
<i>Additions, alterations and repairs, total</i> ..	1,066	2,100,737	1,193	1,762,520
<i>On Residential Buildings:</i>				
Housekeeping dwellings—all kinds ...	989	1,971,976	1,102	1,553,942
Non-housekeeping dwellings	6	17,500	2	7,600
<i>On Non-Residential Buildings</i>	71	111,261	89	200,978
<i>Installations:</i>				
Awnings, boilers, elevators, signs, etc...	215	84,179	221	170,111
<i>Grand Total—All Buildings</i>	3,010	\$16,823,095	3,188	\$17,863,210

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Corp. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenwood Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

"I DIDN'T KNOW"

is poor consolation to any builder when sudden emergency—fire, wind etc.—puts his insurance protection to an unexpected test and finds it wanting.

If you do not know that this is a form of insurance featured by the "Old North America" any of our agents will be glad to give you full information and advice on the proper protection you should have, without any obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Hardened Concrete Garage Floors Never Wear Out or Need Repairs



Water, oil, wear from chains and other severe conditions encountered in a garage, do not affect the concrete floors when they are hardened and waterproofed with "ANTI-HYDRO."

Because "ANTI-HYDRO" is so easy to use—simply mix it with the gauging water—and because it permanently hardens, waterproofs and oil proofs concrete all in one operation, you will find that its use is a real economy for both you and the owner. It saves more than its cost by eliminating repair bills.

For 23 years "ANTI-HYDRO" has been used by contractors the country over on every type of concrete hardening and waterproofing work. Age is the real proof of permanency. Use "ANTI-HYDRO" on your next job.

ANTI-HYDRO WATERPROOFING CO. 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR
BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.

TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 40

October 5, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Stucco

"P. G." Hardwall

"P. G." Wood Fibred Plaster

"P. G." Plaster of Paris

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Roof Tile

"Gyproc" Wall Board

"Gyproc" Joint Filler

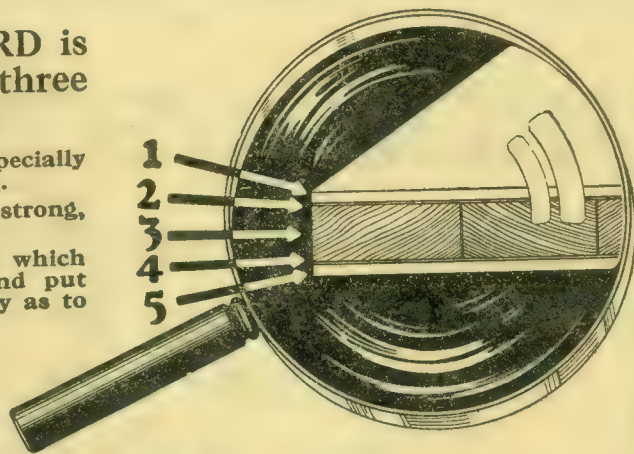
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered
right to your job by trucks is a time
and money saving method being adopted
by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

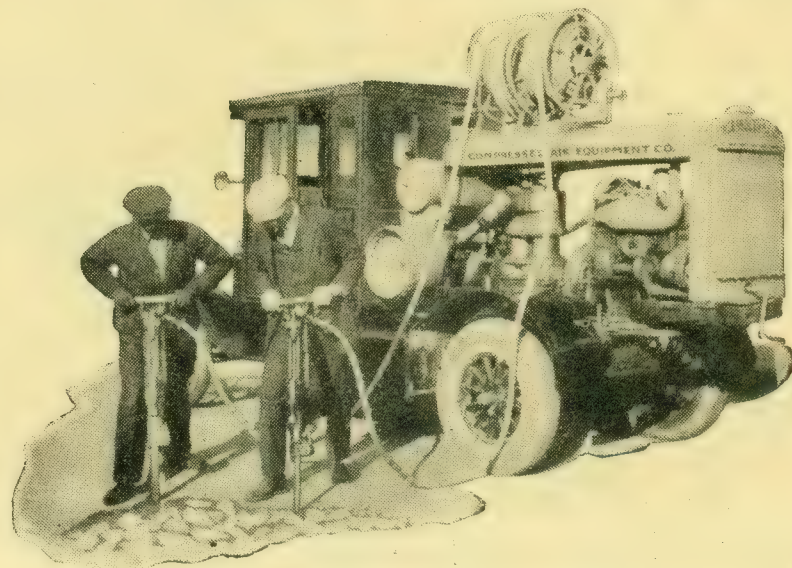
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Con-
crete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by *Welsbach*

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

FABRICATED STEEL IRON BARS

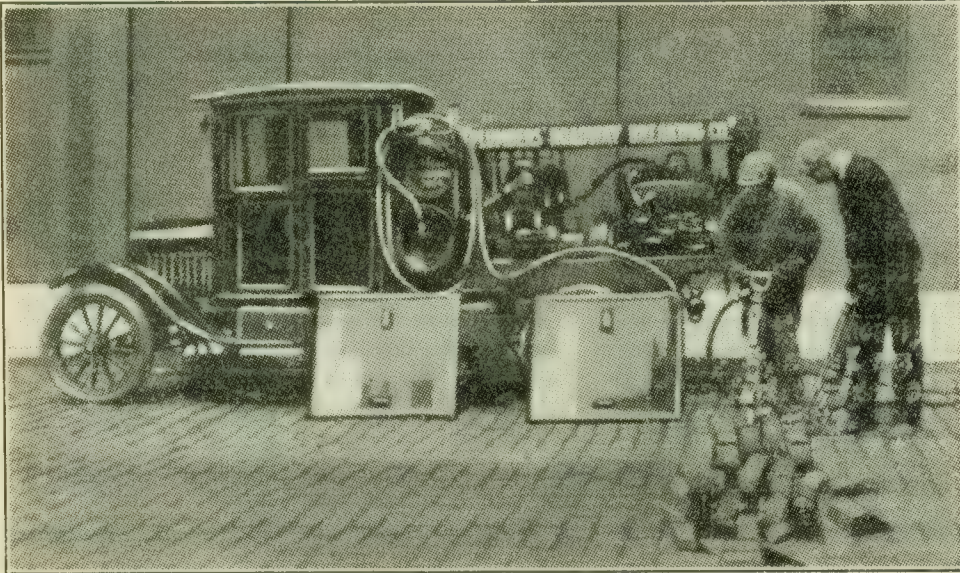
RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

**Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries**

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

**Excavating
Steel Erecting**

**Trench Work
Car Unloading**



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING, BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

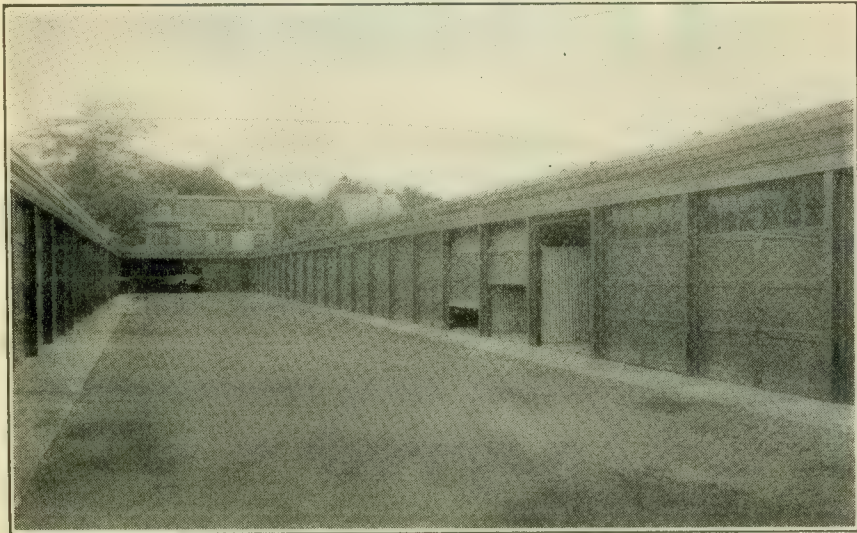
Keystone:
Park 2579

Bell:
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



78 Garages, Owned by Victor Levand
Catrokee and Pomona Streets, Germantown
Equipped with Overhead Doors, 26 of which Are of
the Latest Type

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

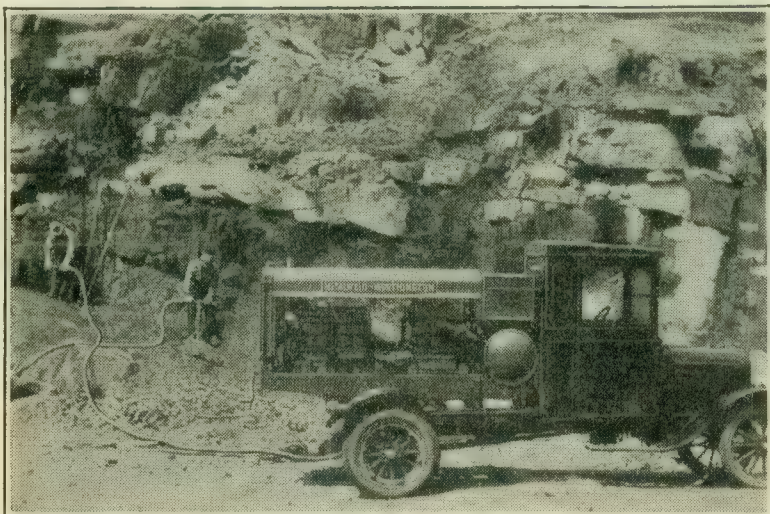
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 40

PHILADELPHIA
October 5, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION: ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Alterations, 622-24 W. Girard Avenue, Phila. Architect, E. L. Rothschild, Bankers' Trust Building, Phila. Owner, Wm. Stern, on premises. Brick, steel, steam heat, electric light, metal lath, tile and marble work, new front, metal bulks, painting and glazing, carpentry and mill work, plastering, iron work, concrete and cement work, slag roof, hardware, plumbing, sprinkler system. Architect taking bids due Oct. 6th.

Bank Building, Broad and Stiles streets, Philadelphia. Architects, Ritter & Shay, Packard Building, Phila. Owner, Broad Street Trust Co., care of S. E. Kraus, Juniper and Walnut streets. Brick, cut stone, granite, steel, 4 stories and basement, 160x77 feet, composition roof, cement floors, hollow tile, elevators, plumbing, water and dampproofing, steam heat, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, bond, iron stairs, casement windows, ornamental iron work, wrought iron pipe, pneumatic tube system, Alberne stone. Architects taking bids due Oct. 14th.

Stores (2), Apartments (9), N. E. corner 63rd and Haverford Avnue. Architect, R. M. Dippy, Medical Arts Building, Phila. Owner, C. C. H. Kirlin, on premises. Brick, stucco, 2 stories and basement, barrett spec. roof, cement and pine floors, carpentry and mill work, plumbing, ornamental iron work, kitchen equipment, plastering, bond, rolled steel skylights, tile work, hot water heat, electric

light. Architect taking revised bids due as soon as possible.

Hotel, Fifteenth street, South of Cherry street, Philadelphia. Architect, L. E. Jallade, 15 East Forty-second street, New York City. Owners, Young Men's Christian Association, E. H. Bonsalt, 1425 Arch street. Brick, limestone, steel, reinforced concrete (plumbing, heating, electric reserved), slag roof, composition, cement and maple floors, elevators, metal window guards, waterproofing, damp-proofing. Revised plans in progress.

Swimming Pool and Recreation Center, Roosevelt Boulevard, near Cottman street, Philadelphia. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Frame, stucco, 2 stories, 80x280 feet, tile roof, electric light, concrete and maple floors, 45,000 square feet, concrete pool, concrete walks, wire fence, dance hall, cafe, laundry equipment, sand beach, refreshment booth, etc. Plans in progress. Ready for bids in 3 weeks.

Gym Building, College Building, Faculty Building, Twentieth and Olney avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, La Salle College, Bro. Dorotheus, president, Broad and Stiles streets, Philadelphia. Stone, steel, 3 stories, 4 stories and basement, various sizes, oak, pine and cement floors, electric light, steam heat, slate roof, metal lath, tile, marble and terrazzo work, rolled steel sash, bond, ornamental iron work. Plans nearly completed. Ready for bids in a month.

Apartment (alts. and add.), 407 West Olney avenue, Philadelphia. Architect, Robert M. Reeve, 5539 North Third street, Philadelphia. Owner, G. Raymond Koehler, 5716 North Second street, Philadelphia. Brick, tin roof, hardwood floors, electric light, plumbing, stair work, iron work, plastering, linoleum floors, painting. Owner taking bids.

Loft Buildings (2), 450-52 North Second street, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street, Philadelphia. Owner, Mr. B. West, care of architect. Brick, concrete, 4 stories, 40x120 feet, slag roof, pine floors, steam heat, electric light, elevator. Architect taking new bids due as soon as possible.

Residence (alts. and add.), 3123 Queen lane, Philadelphia. Architect, John W. Keyes, Otis Building, Philadelphia. Owner, Dr. W. McKinney, on premises. Stone, 2 stories and basement, 14x20 feet, slate roof, oak and pine floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Architect taking bids due October 7th.

Residence and Garage, Queen Lane Manor, Philadelphia. Architect, William Woodburn Potter, Real Estate Trust Building, Philadelphia. Owner, J. D. Winchell, Seventeenth and Sansom streets, Philadelphia. Stone, brick, steel, 2½ stories and basement, 25x35 feet, 21x21 feet, slate and shingle roof, oak and pine floors, plumbing, iron pipe, ornamental iron work, casement windows, rolled steel sash, tile work, metal lath, electric light

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.
1729-31 Sansom Street, Philadelphia
BELL PHONE, RITTENHOUSE 7530
KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

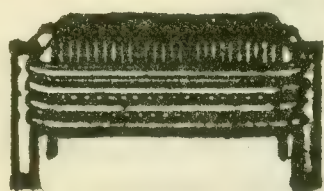
**Structural
Steel**

ROBT. B. LEDERLE & CO.
ENGINEERS AND CONTRACTORS
WITHERSPOON BUILDING
PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

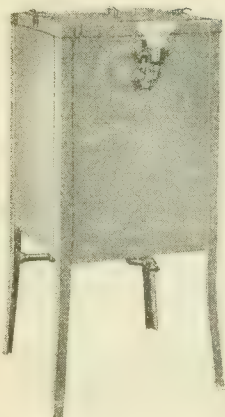


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

Office Model

Other models for clubs
factories, restaurants
and hotels

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

(heating reserved). Architect taking bids due October 10th.

Building, Northwest Corner Twentieth and Chestnut streets, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owner, Joseph Bernhard, Thirteenth and Chestnut streets, Philadelphia. Brick, granite, steel, 2 stories and basement, 150x20 feet, slag roof, cement floors, metal weather strip, architectural terra cotta, electric light, metal lath, tile and marble work (plumbing, heating reserved), bond, ornamental iron work, area gratings, caulking, sprinkler. Architect taking revised bids due October 7th.

Residence (alts. and add.), 5825 Park avenue, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owner, Walter Rosskam, on premises. Architects taking bids due October 7th.

Residences (89), Gilham street, Charles to Frankford avenue, Philadelphia, \$271,000. Architect, private plans. Owners, Boardman & Smith, 1524 Chestnut street, Philadelphia. Brick, 2 stories, 15x24 feet, 11x9 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Bowling Alley, West side Rising Sun avenue, North of Walters street. Architect, private plans. Owner, Philip Schwarehardt, 7264 Rising Sun avenue, Philadelphia. Brick, 1 story, 52 feet 10 inches x 128 feet. Permit issued.

Shop and Residence (add.), 1007 North Second street, Philadelphia, \$2,000. Architect, private plans. Owner, H. Blumberg, 1007 North Second street, Philadelphia. Brick, 2 stories add., 20x42 feet. Permit issued.

Residences (3), 4354-56-58 Pearce St., Philadelphia, \$9,000. Architect, private plans. Owner, A. Slavik, 4353 Peace St., Philadelphia. Permit issued.

Residences (23), 400-44 Daggett street, Philadelphia, \$107,000. Architect, private plans. Owners, Perna, Papa & Di Rita, Sixty-fifth and Calowhill streets, Philadelphia. Brick, 2 stories, 15x32 feet, 11x13 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

Shed, 742-44 North Markoe street, Philadelphia, \$3,000. Architect, private plans. Owner, Lawrence O'Connor, 753 North Fifty-third street, Philadelphia. Brick, 1 story, 39 feet 6 inches x 55 feet. Permit issued.

Residences (30), East side Twentieth street, North of Dallas street, Philadelphia, \$131,800. Architect, private plans. Owners, T. & F. Kiely, 7032 Greene street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (3), North side Parker avenue,

East of Ridge avenue, Philadelphia, \$13,500. Architect, private plans. Owner, George M. Robinson, 635 Summit avenue, Philadelphia. Brick, 2 stories, 16x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (54), North side Spencer street, West of Front street, Philadelphia, \$217,000. Architect, private plans. Owner, Walter G. Costello, 7002 Hegerman street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (31), East side Fairhill street, North of Spencer street, \$125,000. Architect, private plans. Owners, W. Fischer's Sons, Inc., Oak Lane Trust Co., 5831 Rising Sun avenue, Philadelphia. Brick, 2 stories, 16x31 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), 2629-31 Croyden street, Philadelphia, \$8,000. Architect, private plans. Owner, Stanley Bialas, 4353 Belgrade street, Philadelphia. Brick, 2 stories, 16x44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Manufacturing Building, 3325-43 Allen street, Philadelphia, \$3,250. Architect, private plans. Owner, C. Offenhauser, 3325 Allen street, Philadelphia. Brick, 1 story, 81 feet 6 inches x 32 feet. Permit issued.

Moving Picture Theatre, South side Baltimore avenue, West of Forty-seventh street, Philadelphia, \$180,000. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Brown & Sons, 145 Fairmount avenue, Philadelphia. Brick, 2 stories, 42x70 feet, 77x176 feet. Permit issued.

Residences (3), East side Fleming street, North of Krams avenue, \$3,400 each. Architect, private plans. Owner, C. M. Swartley, 6835 Ridge avenue, Philadelphia. Brick, 2 stories, 17x28 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Purchasing Agent E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due October 10th at noon for white oak lumber.

Store (alts.), 5218 Market street, Phila. Architect, private plans. Owner, Benj. Kosmin, on premises. General alterations, 18x90 feet, new floors, lowering old floors, marble and tile work, plate and leaded glass, carpentry and mill work, metal ceilings, flush bulkheads. Owner taking bids due as soon as possible.

William Langhorne Company, Builders, formerly of 10 South Eighteenth Street, have opened new offices at 1900 to 1904 Parrish street, Philadelphia. Bell phone, Poplar 4712; Keystone phone, Race 1514.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

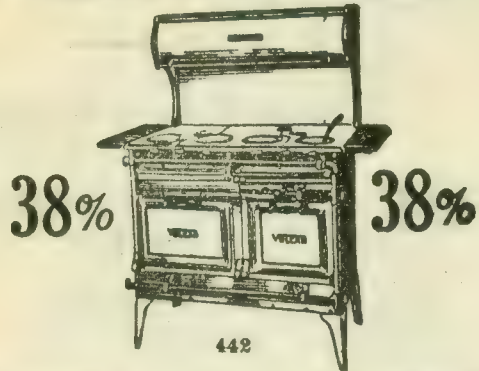
532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

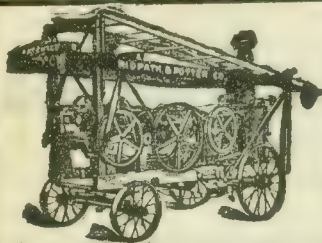
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



38% 38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

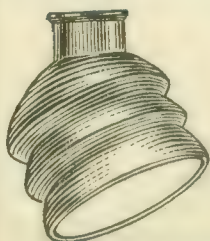
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bld 9300

Residence and Garage, Allen lane, between Greene and McCallum streets, Philadelphia. Architect, John J. Keyes, Otis Building, Philadelphia. Owner, Frank H. Goldey, care of architect. Stone, cut stone, steel, 2½ stories and basement, 51x68 feet, shingle roof, cement, oak and pine floors, plumbing, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work, iron pipe, cinder concrete. Contract awarded F. M. Harris Co., 1520 Parrish street, Philadelphia.

Parish House, Bustleton, Philadelphia. Architects, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, Rhawnhurst Mission, on premises. Stone, steel, 1 story, 76x42 feet, slag roof, pine floors, plumbing, steam heat, electric light, rolled steel sash, bond, ornamental iron work, cast stone. Contract awarded Roy Randall, Jenkintown, Pa.

Residence (add.), 7941 Winston road, Philadelphia. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, Dr. G. Woodward, Chestnut Hill, Pa. Cinder block, stucco, 2 stories, hardwood floors, electric light. Contract awarded R. C. Borthwick, 6511 Woodstock street, Philadelphia.

Contract No. 181, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Painting, iron work, plastering, safety treads, mill work, copper-covered doors, cast iron grills, hardware, concrete and cement work, reinforced steel, hollow tile, brick work, granite sanonx, tile work. Contract awarded Golder Const. Co., 263 South Fifteenth street, Philadelphia.

City Hall Annex, Juniper and Filbert streets, Philadelphia, \$1,250,000. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Property, Bureau of Public Works, Philadelphia. Reinforced concrete, brick, cut stone, steel, 14 stories and basement and sub-basement, 100x80 feet (plumbing, heating, electric separate), cement floors, slag roof, elevator, metal window guards, caissons, waterproofing, architectural terra cotta, bronze work, area gratings, metal lath, marble, terrazzo work, hollow metal sash, rolled steel skylights, hollow metal doors, iron stairs, ornamental iron work, granite, limestone, fireproofing, gypsum block partitions, metal partitions, travertine

wall finish, mail chute. Contract awarded F. W. Mark Cont. Co., Commercial Trust Building, Philadelphia; plumbing, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$28,042; heating, N. Connolly, 1404 North Eighteenth street, Philadelphia, \$106,606; electric, Ellis McCandless, 2318 Sansom street, Philadelphia, \$77,490.

Residence, 4520 Blakiston street, Philadelphia, \$4,500. Architect, private plans. Owner, Elwood Coleman, Jackson and Blakiston streets, Philadelphia. Frame, 2 stories, 16x41 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded Chancellor Day, 3504 Rhawn street, Philadelphia.

Show Room, Paul street, North of Unity, Philadelphia, \$8,000. Owners, La France Textile Co., on premises. Contract awarded Wintz Brothers, 1618 Sellers street, Philadelphia.

Dye House (add.), East side Adams avenue, North of Unity street, Philadelphia, \$8,500. Architect, private plans. Owners, Horrook & Brothers, on premises. Stone, 1 story add., 97 feet 4 inches x 53 feet 6 inches. Contract awarded to F. Crompton & Brother, 4614 Oakland street, Philadelphia.

Residence, East side Hasbrook avenue, South of Oxford avenue, Philadelphia, \$6,200. Architect, private plans. Owner, Joseph Kolodzey, 7700 Oxford avenue, Philadelphia. Frame, 2 stories, 28x40 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded George Krewson, 330 Franklin avenue, Philadelphia.

Residence, 2 Chestnut avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Joseph McClain, on premises. Frame, 2 stories, 25x22 feet, hot water heat, electric light. Contract awarded Chancellor Day, 3504 Rhawn street, Philadelphia.

Sales and Service Building (alts.), 709 Oregon avenue, Philadelphia, \$2,000. Owner, A. Wack, North American Building, Philadelphia. General alterations. Contract awarded H. A. Hopple Heed Building, Philadelphia.

Gas Station, Southwest Corner Twenty-seventh and South streets, Philadelphia, \$2,100. Architect, private plans. Owner, J. Cutler Fuller, 1600 Walnut street, Philadelphia. Contract awarded to I. Demarest, 10 South Eighteenth street, Philadelphia.

Residence, East side Front street, South of Courtland street, Philadelphia, \$7,500. Archi-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

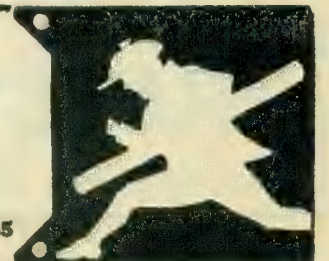
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



teet, private plans. Owner, M. Elwell, Front and Wingohocking streets, Philadelphia. Brick, 2 stories, 16x56 feet 6 inches, hardwood and pine floors, hot water heat, electric light. Contract awarded to John Lauro, 4927 North Lawrence street, Philadelphia.

Apartment House (alts.), 264 South Sixteenth street, Philadelphia, \$5,000. Architect, private plans. Owner, Marie Seible, 1712 Walnut street, Philadelphia. General alterations. Contract awarded Haverstick-Borthwick Co., 1505 Race street.

Shop, 1518-20 Winter street, Philadelphia, \$4,000. Architect, private plans. Owners, Leverdno-Caporaly, 1431 Dickinson street, Philadelphia. Brick, 1 story, 28x60 feet. Contract awarded Frank Lucci, 1603 Ellsworth street, Philadelphia.

Residence and Store (add.), 4991 Girard avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Anna Volpe, on premises. Brick, 3 stories side add., 18x18 feet. Contract awarded to Pietro Genovese, 4930 Kershaw street, Philadelphia.

Residence, 3574 Janney street, Philadelphia, \$2,000. Architect, private plans. Owner, Joseph McKinney, 3571 Witte street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 25 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to George McKinney, 3544 Janney street, Philadelphia.

Shop and Office Building, East side Fifty-third street, South of Whitby avenue, Philadelphia, \$20,000. Architect, private plans. Owners, Wilkinson Equipment Co., 1011 Chestnut street, Philadelphia. Brick, steel, 2 stories, 92x140 feet, 42x100 feet. Contract awarded William Steele & Sons Co., 124 North Fifteenth street.

Residence, Southeast Corner Durham street and Stenton avenue, Philadelphia, \$20,000. Owner, Joseph Lackey, Mt. Airy and Stenton avenues, Philadelphia. Brick, 2 stories, 17x61 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded Raymond G. Riling, 1425 West Vengano street.

Cemetery Wall, Southeast Corner Fifth and Arch streets, Philadelphia, \$12,000. Owners, Christ Church, Second street above Race street, Philadelphia. Contract awarded to A. Raymond Raff Co., 1635 Thompson street.

Residence and Store (add.), 5131 Chester avenue, Philadelphia, \$3,300. Architect, private plans. Owner, Robert N. Bell, Fifty-second and Chester avenue, Philadelphia. Brick, 1 story add., 19x24 feet. Contract awarded to W. V. Morris, 711 South Fifty-second street, Philadelphia.

Residences (5), West side Salmon street, North of Westmoreland street, \$2,500 each. Architect, private plans. Owner, M. Salanovicin, 2731 Miller street, Philadelphia. Brick, 2 stories, 16x28 feet, 12x12 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to J. Curtin, 501 Levick street, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways, 216 City Hall, Pa. Ditman street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia. Sangor street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$148,887.76. Midvale, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$68,290.66. Fifteenth

street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$6,683.03. Thirty-third street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$7,629.17. Jackson, Barber Asphalt Co., 1600 Arch street, \$20,570.03. Champlost, Mack Paving & Const. Co., Nicetown lane and C street, \$7,178. Ryan avenue, McCarrick Brothers, 3240 Fox street, Philadelphia, \$10,669.50. Washington, The Hamilton Co., Greene and Cheltenham avenue, \$17,343. Installing chlorine apparatus, Belmont Pumping Station, Wallace & Terinan, Inc., Bellville, N. J., \$6,000.

Stores (7), 1709 Locust St., Garage, 1708 Chancellor street, Phila. Architects, Hahn & Baylinson, 629 Chestnut street, Phila. Owner, 1708 Chancellor Corporation, care of architect. Stores, 1 story, garage, 5 stories, size of lot, 100x175 feet. Contract awarded Foundation Co., 120 Liberty St., N. Y.

Community Building, 508 Moore street, Phila. Architect, E. L. Rothschild, Bankers' Trust Building, Phila. Owner, Association Talmud Torahs, care of L. E. Levinthal, Bankers' Trust Building. Brick, steel, limestone, reinforced concrete, 2 stories and basement, 52x115 feet, slag roof, maple and cement floors, plumbing, architectural terra cotta, cast stone, wall finish, wrought iron pipe, ornamental iron work, steel toilet, partitions, bond, kalamein doors, rolled steel sash, tile, marble and terrazzo work, metal lath, steam heat, oil burners. Contract awarded Kober Construction Co., 34 S. 17th street, Phila.

Residences (2), N. side Shelmire street, E. of Tabor Road, Phila., \$5,000 each. Architect, Private plans. Owner, Kate B. Mills, 261 W. Wyoming Avenue, Phila. Brick, 2 stories, 16 x 38 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded Otto H. Miller, 261 W. Wyoming avenue, Phila.

Residence and Store (add.), 5301 Oxford Street, Phila., \$4,500. Architect, private plans. Owner, Evan Jones, on premises. Brick, 1 story addition, 50 feet irregular. Contract awarded Frederick N. Deithrich, Frankford and Devereaux street, Phila.

Store and Club (alts.), 5614 N. 5th street, Phila., \$2,000. Owner, David McKimmie, Mutual Title & Trust Co., 1518 Walnut street, Phila. General alterations. Contract awarded Wintz Bros., Inc., 1618 Sellers Street, Phila.

Masonic Temple, Fitzwater street, Mole and Hicks streets, Phila. Architect, Horace W. Castor, Stephen Girard Building, Phila. Owner, Scottish Rite Temple, Broad and Race

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS

PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIEFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY**

ON
QUARRIES

SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric s



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murph

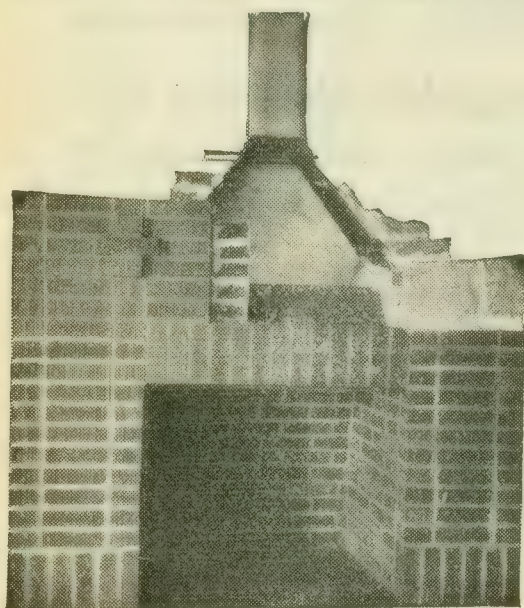
THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

Berl
19 W

THERE IS ONLY ONE IN-A-D
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

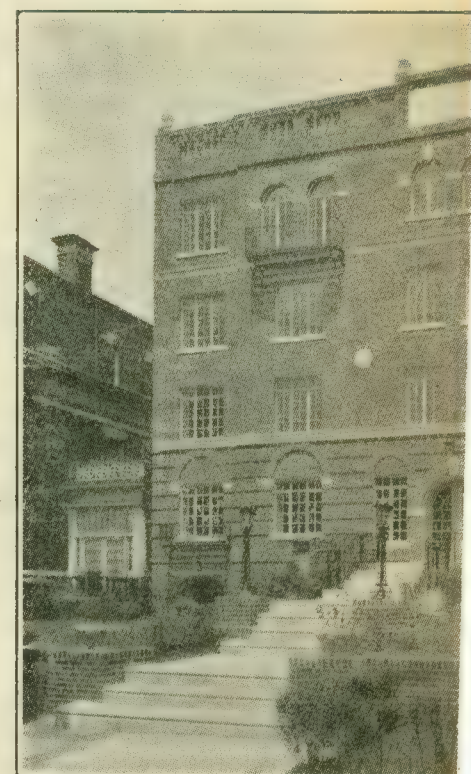
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

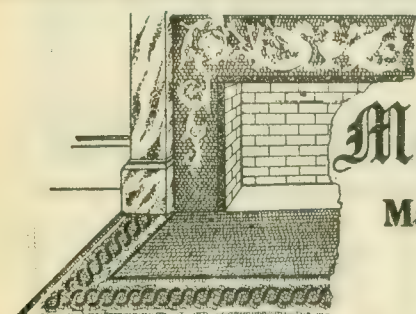
For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.



BUILD WITH ST. MARTINS BUILDING STONE "Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If h
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegrate
of Truscon STONETEX.

STONETEX is the masonry coating. Not or
from being absorbed into concrete, stucco or brick, b
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

EDS

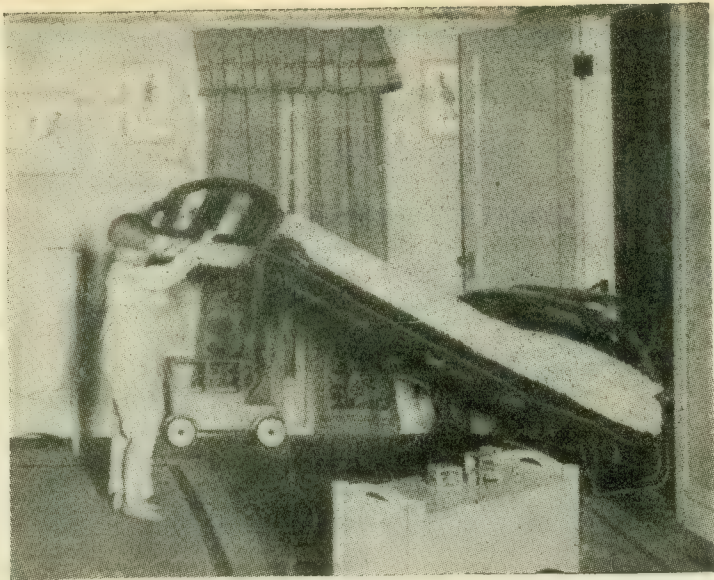
mes
ings

call at our
in kitchen
boards as
beds

D CO.

y Building
44th Street
w York

BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX
urfaces

ecks are beginning to show,
ig Truscon STONETEX.
and the concrete is spalling
stopped by the application

des it prevent moisture
also covers the surface
ries flat. It does not
like masonry.



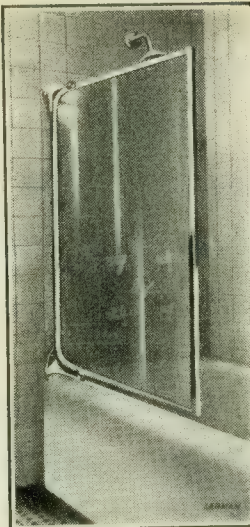
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

**AMERICAN
ALL-METAL WEATHER STRIPS**

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

**MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

**Face Brick
Paving Brick**

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Streets, Phila. Brick, cut stone, steel, granite, limestone, 3 stories and basement, 107x42 feet, copper tile roof, maple and cement floors,

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

WORTH DOLLARS TO YOU!!

Building Construction	-	\$30.00
Plan Reading and Estimating	-	30.00
Steel Square	-	30.00
Architectural Drawing	-	35.00
Blue Print Reading	-	20.00
Mechanical Drawing	-	30.00
Printing	-	30.00

Pay \$10.00 at time of enrollment and \$2.50 weekly for a short time to complete balance.

Many of our students have increased their pay twenty-five to fifty per cent.

YOU CAN DO IT TOO!

WANAMAKER INSTITUTE

Twenty-third and Walnut Streets

Write or telephone Locust 31-49 for Catalog of all courses

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

Iron Work That Stands Inspection

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

FRANK PETTIT ORNAMENTAL IRON WORKS

1505-15 N. Mascher Street, Philadelphia

REGENT 9857

PARK 4147-4148

hollow tile, plumbing, roof vents, architectural terra cotta, blue stone, hardner, bond, rolled steel sash, tin clad and kalemein doors, tile, marble and terrazzo work, electric light, metal lath, steam heat, integral waterproofing. Contract awarded H. P. Schneider, 3713 Old York Road, Phila.

Pennsylvania Construction News

Store (1), Apartments (2), Rosemont, Pa. Architect, A. C. Bieber, 3044 West Lehigh avenue, Philadelphia. Owner, name withheld. Brick, stone, terra cotta, 2 stories, 25x100 feet, slag roof, hardware, maple floors, hot water heat, electric light, tile work, metal bulks. Plans in progress.

Church, State College, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, St. Andrew's Protestant Episcopal Church, State College, Pa. Stone, brick, cut stone, 1 story and basement, green slate roof, cement and pine floors, hollow tile, plumbing, wrought iron pipe, ornamental iron work, vapor heat. Revised plans in progress.

Stores (4), Apartments, Lansdowne avenue, Lansdowne, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, August Heller, Lansdowne, Pa. Preliminary plans in progress.

School Building, State Line, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, State Line, Pa. Plans in progress.

Residence and Garage, Laverock, Pa. Architect, S. W. Marshall, 1524 Chestnut street, Philadelphia. Owner, H. E. Fricke, care of architect. Stone, frame, brick, 2½ stories, 36x24 feet, 18x22 feet, wood shingle roof, hardwood floors, electric light, vapor heat, tile work. Architect will be ready for sub-bids in one week.

Church and Sunday School, Main street and Boundry avenue, Scranton, Pa. Architects, H. L. Cain and A. N. Dobbins, 1718 Cherry street, Philadelphia. Owners, Bradley Memorial Methodist Episcopal Church, Rev. J. P. Crompton, Scranton, Pa. Frame, 1 and 2 stories. Revised plans in progress. Ready for bids in a few days.

Residence (alts. and add.), Penllyn, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, John H. Ingersoll, Penllyn, Pa. Hollow tile, stucco, frame, stone, cut stone, 2½ stories and basement, 40x20 feet, 32x20 feet, shingle roof, cement floors, oak and pine floors, roof ventilators, flagstone, ornamental iron work, limestone, linoleum floors, metal lath, tile and

marble work, bond, ornamental iron work. Architects taking bids due October 6th.

Club House (int. alts.), Fox Chase, Pa. Architect, C. H. Fries, Frankford and Oxford avenues, Philadelphia. Owners, Northeast Shrine Club, Hunting Park and Filmore streets, Philadelphia, Pa. General interior alterations, mill work, electric light, hot water heat, hardwood floors, plastering, plumbing. Architect taking bids due October 9th.

Hegins Township High School, Valley View, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, School Board of Hegins Township, Schuylkill County, Pa., R. E. Bossler, Valley View, Pa. Brick, reinforced concrete, steel, 2 stories and basement, 230x127 feet, wing 119x50 feet, cement, maple and composition floors, hollow tile, roof ventilators, integral waterproofing, cast stone, ornamental iron work, iron stairs, hollow metal doors, rolled steel sash and skylights, metal lath, hollow gypsum block partitions. Owners taking bids due October 7th.

Dormitory (add.), New Bloomfield, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Carson Long Institute, T. K. Long, New Bloomfield, Pa. Fireproof, brick, steel, concrete, 3 stories, 40x60 feet, slate roof, maple floors, steam heat, electric light, metal lath, tile work, kalemein doors, iron stairs. Plans in progress.

School, Easton, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, School Board of Easton, R. E. Peiffer, secretary, Easton, Pa. Brick, 2 stories, 4 rooms, flat roof, maple floors, safety treads (heating, plumbing, electric separate). Owners about ready for bids.

Bank, Upper Darby, Pa. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Sixty-ninth Street Terminal Title & Trust Co., C. G. Robinson, Sixty-ninth and West Chester pike, Philadelphia. New plans will be drawn.

Alterations and Addition, Chester pike at Manoa, Delaware County, Pa. Architect, George I. Lovatt, 224 South Sydenham street, Philadelphia. Owners, Llanerch Country Club, on premises. Stone, cut stone, stucco, 1 story and basement, 37x64 feet, 33x12 feet, Carey's asbestos built-up roof, tin and shingle roof, pine and cement floors, carpentry and mill work, waterproofing, bluestone, ornamental iron work, metal lath, tile and terrazzo work, plastic flooring. Architect taking bids due October 13th at noon.

Crippled Children's Hospital (3 unit), near Elizabethtown, Pa., \$350,000. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Department of Health, T. B. Appel, Harrisburg, Pa. Construction of Unit No. 3 of the Crippled Children's Hospital. Deposit, \$25, refunded. Certified check, \$10,000. Bond, 100 per cent. Owner taking bids due Oct. 25th at noon.

Paving, Haverford Township, Pa. Owners, Board of Commissioners, H. A. Frishman, Oakmont, Pa. Certified check, \$500. Deposit, \$10. Refund, \$10. Reinforced concrete, 2,000 square yards. Owners taking bids due October 14th, 7:30 P. M.

Eighth Street Relief Sewer, Chester, Pa. Engineer, Robert C. Wheeler, Albany, N. Y. Owners, City of Chester, Bureau of Highways, Chester, Pa. Owners taking bids due October 7th. Pennsylvania Engr. & Const. Co., Real Estate Trust Building; Ryan Const. Co., Real Estate Trust Building, Philadelphia; Ligon & Ligon, Baltimore, Md.; Rhoades Const. Co., Wilmington, Del.; T. Reilly, Chester, Pa., figuring.

Construction 10-inch or 12-inch Artesian Well, Gratersford, Pa. Owners, Board of Trustees, Eastern State Penitentiary, H.

Smith, 2107 Fairmount avenue, Philadelphia. Owners taking bids due October 8th at noon.

Wall and Fence, North side Roosevelt School, Norristown, Pa. Owners, School Board of Norristown, H. E. Kratz, Norristown, Pa. Reinforced concrete retaining wall. Certified check, 5 per cent. Owners taking bids due October 21st, 4 P. M.

Walks and Curbing, Manoa and Clearview road, Haverford Township, Pa. Owners, Haverford Township School, E. S. Moore, Haverford, Pa. Owners taking bids due October 7th at noon.

Junior and Senior High School, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Board of Education, F. S. Underhill, 112 North Broad street. Brick, reinforced concrete, steel, limestone, 2 stories and basement, 80x390 feet, wing 127x119 feet. Low bidders: P. H. Kelly, 1713 Sansom street, Philadelphia, \$339,465; John McShain, 1713 Sansom street, Philadelphia, \$339,487; Bowden Const. Co., 1607 Summer street, Philadelphia, \$345,000.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Owners taking bids due October 13th, at 10 A. M.

Armstrong and Indiana Counties, A-273-4 and A-5012, Cowanshannock Township and South Mahoning Township, 7,710 feet. One course reinforced concrete. Certified check, \$1,500.

Crawford County, R-200-448, A-4790-5011, Richmond Township, 14,776 feet. One course reinforced concrete. Certified check, \$2,500.

Fayette County, A-4270-1215, German and Nicholson Townships, 5,924 feet. One course reinforced concrete. Certified check, \$2,000.

Jefferson County, R-61, Sec. 1, Warsaw Township, 26,030. One course reinforced concrete. Certified check, \$3,500.

McKean County, R-100, S-2, Otto Township, 10,309 feet. One course reinforced concrete. Certified check, \$2,000.

Mifflin County, A-4528, Burnham Borough, 6,385 feet. One course reinforced concrete. Certified check, \$1,500.

Perry County, R-122, Madison Township, 16,194 feet. Grading and drainage. Certified check, \$1,500.

Paving and Curb, Norristown, Pa., Owner, Board of Education, H. R. Kratz, Norristown, Pa. Owner taking bids due Oct. 21st, 4 P. M. Certified check 5%. Laying approximately 5,600 square feet cement paving, 900 lineal feet combination curb and gutters.

School Building, Darby Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Owner, Board of Education, Darby Township, Pa. Plans in progress.

Pennsylvania Contracts Awarded

Residence (alts.), Gwynedd Valley, Pa. Architect, William Wayne, Jr., 200 South Fifteenth street, Philadelphia. Owner, John Sotry Smith, on premises. Carpentry and mill work, bluestone, plastering, painting, glazing, stone work, marble and tile work, electric work. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Dauphin County, R-140, A-4840, East Hanover Township. One course reinforced concrete. Contract awarded to W. Grant Raub, Red Lion, Pa., \$178,063.01.

Westmoreland County, A-305, 306, 351, Bell and Salem Townships. One course reinforced concrete. Contract awarded to M. J. McMahon, DuBois, Pa., \$172,024.60.

ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

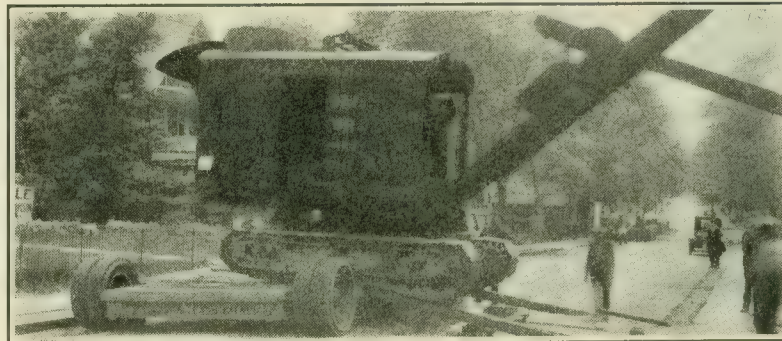
Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

The Seal-A-Void Co. WATERPROOFING ENGINEERS Preservative Coatings For BRICK, STONE, CONCRETE AND STUCCO

PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

GENERAL
CONTRACTING CO.

68th Street and Greenway Avenue
Woodland 8862

On the Ground When Wanted

CLAUSEN
TERRA COTTA
FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.

*A*N ambition to give your orders the kind of attention that will **THOROUGHLY** satisfy you—has established us as a dependable source of supply for terra cotta.

Here are large stocks—and a **REAL** Service.

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Luzerne County, R-4, Sec 6, Viaduct, Edwardsville, Larksville and Kingston Boroughs. Contract awarded to H. C. Kersteen Co., Kingston, Pa., \$290,179.15.

York County, A-2794, 2796, Dallastown and Yoe Boroughs. One course reinforced concrete. Contract awarded Red Lion Const. Co., Red Lion, Pa., \$70,915.38.

Machine Corp., North American Building, Philadelphia, \$14,219, \$13,823, \$13,967, \$13,677, according to type. Electrical equipment, pump and piping, W. P. Dallett, 4024 Filbert street, Philadelphia, \$18,411.

Paving, Pensauken, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Pensauken, N. J. Certified check, 10 per cent. Deposit, \$25. Refund, \$10. Owners taking bids due October 10th, 830 P. M. 3,485 cubic yards excavation, 9,515 square yards 7-inch reinforced concrete paving, 1,825 square yards 6-inch concrete gutters, 2,275 feet plain curb, 165 lineal feet radius curb armoured, 2 inlets, 50 feet 15-inch T. C. pipe, 20 feet 12-inch T. C. pipe. Bond.

Street Paving, Merchantville, N. J. Engineers, Remington & Vosbury, Camden, N. J. Owner, Borough of Merchantville, C. S. Ball, Merchantville, N. J. Approximately 1,200 square yards, concrete pavement, 300 square yards, concrete gutter, 870 lineal feet concrete curb, 800 cubic yards excavation, 48 lineal feet concrete radius curb, 240 square feet concrete sidewalks. Owner taking bids due Oct. 12th, 9 P. M. Certified check 10%, bond, deposit \$10.00. Refund, \$5.00.

New Jersey

Contracts Awarded

Masonic Home, Trenton, N. J. Architect, Oscar Schmidt, Union Bank Building, Atlantic City, N. J. Owners, United Grand Lodge, care of architect. Fireproof, 3 stories, 43x100 feet, slag roof, composition and wood floors, hollow tile, fire escape, ornamental iron, artificial stone, tile, metal lumber, electric light, oil burners. Contract awarded Thomas Day & Son, Day Building, Trenton, N. J.

Apartment House, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Lewis Shaffer, care of architect. Semi-fireproof, 6 stories, 60x110 feet, slag roof, hardwood floors, hollow tile, elevators, safety treads, roof ventilators, waterproofing and damp-proofing, architectural terra cotta, incinerators, area gratings, brass pipe, ornamental iron, iron stairs, fire doors, tile, marble, metal lath, Warren Webster heat, electric work. Contract awarded Samuel Dolinsky, Freeman Building, Atlantic City, N. J.

Post Office, Milville, N. J. Architect, James A. Wetmore, Washington, D. C. Owners, United States Government, Treasury Department, Washington, D. C. Brick, reinforced concrete, steel, granite, 1 story, basement and mezzanine, 79x58 feet (plumbing, heating, electric separate), composition roof, cement and maple floors, hollow tile, metal weather strip, damp-proofing, ornamental iron, bond, metal lath, tile and marble, precast concrete. Contract awarded Walter Peterson, Omaha, Nebraska.

Restaurant, 925-27 Liberty street, Camden, N. J., \$5,000. Architect, C. Harold Allen, 526 Stevens street, Camden, N. J. Owner, Herbert Rubin, 319 Spruce street, Camden, N. J. Brick, 1 story, 20x104 feet, 16x14 feet, slag roof, hot water heat, electric light. Contract awarded Max Deitchman, 2317 South Franklin street, Philadelphia.

Office Addition, 418 Broadway, Camden, N.

New Jersey Construction News

Junior High School, East Camden, N. J. Owners, Board of Education, M. Wessel, Camden, N. J. Work contemplated.

Store, Twenty-sixth and Federal streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, Leon Todd, 2623 Westfield avenue, Camden, N. J. Brick, stucco, 2 stories, 40x100 feet, slag roof, maple floors, steam heat, electric light. Plans in progress.

Garage, Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, name withheld. Concrete, steel, 2 stories and deck, 40x160 feet, concrete roof and floors, waterproofing and damp-proofing, floor hardener, fire doors, steel sash, steam heat, electric work. Plans in progress.

Stores (5), Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Heiman & Wageheim, Hotel Breakers, Atlantic City, N. J. Brick, fireproof, 6 stories, 65x72 feet, slag roof, cement floors, city heat, electric light, tile and marble. Revised plans.

Nurses' Home (add.), Lakeland, N. J. Associate architects, A. H. Moses and W. Mayo, Temple Building, Camden, N. J. Owners, Board of Chosen Freeholders of Tuberculosis Hospital, William P. Cotter, City Hall, Camden, N. J. Brick, 2½ stories, 38x77 feet, slate roof, maple floors, roof ventilators, iron stairs, bond, kalamein floors, steel sash, tile, marble and terrazzo, electric light, central heat. Owners taking bids due October 10th.

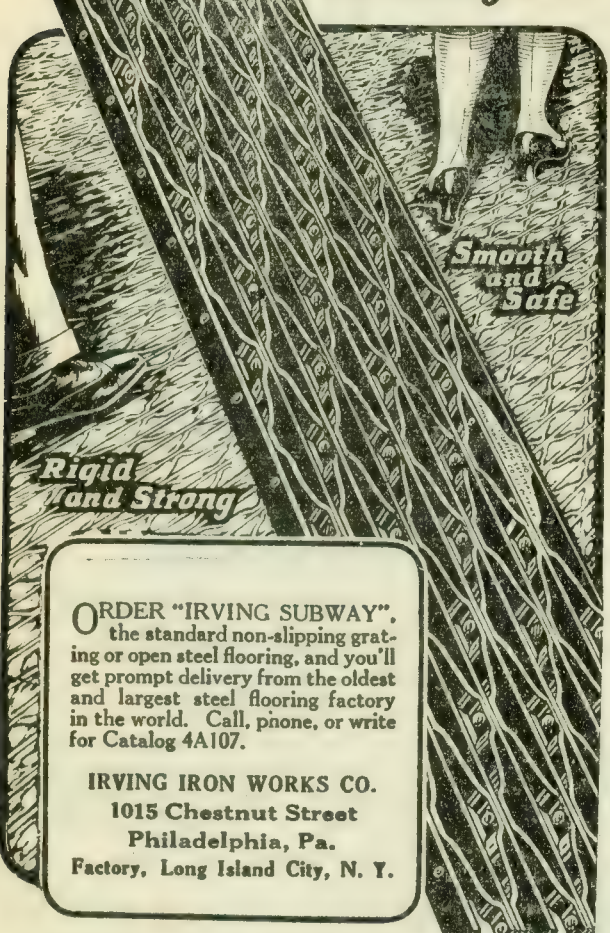
Kruser School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, Greenwood avenue, Trenton, N. J. Fireproof, 2 stories, 8 rooms, slate roof, maple floors, safety treads, roof ventilators, iron stairs, skylights, electric work. Owners taking bids due October 10th.

Residences (2), 1276-78 Van Hook street, Camden, N. J., \$9,000. Architect, private plans. Owners, George H. Anderson Co., West Collingswood, N. J. Brick, 2 stories, 16x42 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Buildings (alts. and add.), Gloucester, N. J. Architect, private plans. Owners, The Lang Co., Southwest Corner Twenty-fourth and Wood streets, Philadelphia. Metal siding, steel, reinforced concrete, 1 story, 58x30 feet (heating, electric, plumbing, piles reserved), concrete floors, slag roof, waterproofing, architectural terra cotta coping, ornamental iron work, rolled steel doors and sash. Owners taking bids due October 7th.

Water Works, Collingswood, N. J. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Borough of Collingswood, N. J. Low bidders: Central pumping station, reservoir, aerating system, Seaman & Litzgus, Stone Harbor, N. J., \$8,400. Pumping engine, Worthing Pump &

Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

J., \$2,000. Architect, private plans. Owner, J. B. Eppelman, 418 Broadway, Camden, N. J. Block, 1 story add, 16x18 feet, slag roof, electric light. Contract awarded to Leslie Reeves, Woodlynne, N. J.

Building, Seventh and Linden streets, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owner, R. McAllister, on premises. Brick, 1 story, 20x20 feet, slag roof. Contract awarded to Michael De Mosi, 3318 Mitchell street, Camden, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 18 South, Route 20, Malaga Relocation and Grade Crossing Elimination, Gloucester County. Contract awarded Burket Const. Co., Vineland, N. J., \$60,190.88.

Bridge, Chew's Landing, North Branch of Big Timber Creek, N. J. Owners, State Highway Department, A. Lee Grover, Trenton, N. J. Contract awarded Staub Kolyn Co., Trenton, N. J., \$27,580.

Residence, 2743 Harrison Avenue, Camden, N. J., \$6,000. Architect, private plans. Owner, Laurence Motes, 1111 N. 23rd street, Camden, N. J. Frame, 2 stories, 24x28 feet, rubberoid roof, hot water heat, electric light. Contract awarded Paul Hand, Oaklyn, N. J.

Warehouse, Chestnut street, E. of Broadway, Camden, N. J., \$2,000. Architect, Joshua C. Jefferis, 314 Market street, Camden, N. J. Owner, Edw. Schuster, Broadway and Chestnut streets, Camden, N. J. Block, 1 story, 43x58 feet, rubberoid roof, electric light. Contract awarded to James Ashmen, 935 Cates street, Camden, N. J.

Stable and Blacksmith Shop, 510 12-14-16-18 Washington street, Camden, N. J., \$16,000. Architect, Harold Allen, 526 Stevens Street, Camden, N. J. Owner, Freihofer Baking Co., 5th and Berkley streets, Camden, N. J. Block, 1 story, 59x60 feet, slag roof, electric light. Contract awarded to Lewis T. West, 5th and Royden streets, Camden, N. J.

Coal Trestle, S. E. Cor. Mechanic and Locust streets, Camden. Owner, Samuel F. Ginis, on premises. Concrete and steel. Contract awarded Fanning-Schuett Eng. Co., 4325 N. 3rd street, Phila.

Miscellaneous Construction News

Type Foundry, Harrison, N. Y. Architects, The Ballinger Company, 100 East Forty-second street, New York. Owners, Intertype Corp., 1440 Broadway, New York. Brick, steel, concrete, 1 story, saw-tooth roof, hollow metal skylights. Architects taking bids due Oct. 17th.

Hotel Corning, Corning, N. Y. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Corning Hotel Corp., 25 West Forty-fifth street, New York. Brick, reinforced concrete, steel, 5 stories and basement and pent house, 140x70 feet, precast gypsum and built-up roof, cement floors, hollow tile, elevators, safety treads, metal weather strip, integral and membrane waterproofing, architectural terra cotta, wall finish, gypsum block partitions, caentile, linoleum, tile, iron work, ornamental iron work, bond, kalamein doors, metal lath,

marble and terrazzo work. J. V. Purcell, First National Bank, Corning, N. Y., taking bids due October 14th, 9 A. M.

Barracks (3), Camp Meade, Md. Architect, United States Quartermaster, Washington, D. C. Owners, United States Government, United States Army, Washington, D. C. Brick, reinforced concrete, steel, 3 stories and basement, 324x47 feet, 160x47 feet, 144x47 feet, monolithic roof, metal lath, rolled steel sash, bond, ornamental iron work. Owners taking bids due October 19th.

School Building, South Charleston, W. Va. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, South Charleston, W. Va. Plans in progress.

Miscellaneous Contracts Awarded

Hotel, Bridgeport, Conn., \$750,000. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, American Hotel Corp., Bridgeport, Conn. Brick, reinforced concrete, 13 stories and basement, 300 rooms, slag roof, cement floors, electric light, elevators. Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Telephone Building, 9th and Tatnell streets, Wilmington, Del. Architect, John T. Windrim, Commonwealth Building, Phila. Owner, Diamond State Telephone Co., Wilmington, Del. Brick, lime stone, granite, steel, 4 stories and basement, 100x68 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile and marble work, hollow metal skylights, ornamental iron work, casement windows, area gratings, waterproofing, bluestone, plumbin, metal weatherstrip. Contract awarded White Const. Co., Jefferson Building, Phila.

Road Work, Delaware. Low bidders: Owners, State Highway Dept., Dover, Del. Contract 88, State Wharf at Little Creek, S. D. Collins, Port Penn, Dal., \$2,305. Contract 94, Warren School, Sandtown, 4.10 miles. Field, Barker & Underwood, Commercial Trust Bldg., Phila. Stone: \$70,755; slag: \$67,335. Contract 95, Pleasant Valley School, Lincoln Highway, 2.50 miles, Sutton Const. Co., 1317 Washington avenue, Phila., \$52,224.50.

The annual Fall Outing of the Philadelphia Builders' Exchange & Employers' Association will be held at the Manufacturers' Country Club, Orelan, Pa., at 11 A. M., Tuesday, October 11th. All kinds of sports will be the order of the day, followed by a dinner at 6 o'clock.

A HOLE IN ONE

Mr. John P. Coghlan, a resident of Glenolden, in Delaware County, and an official of the Van Sciver Corporation of Philadelphia, while playing in a foursome at Pocono Manor, Mt. Pocono, Pa., on Saturday, August 13th, made a hole in one. Mr. Coghlan was playing the sixth

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

Plant
Wissahickon Ave. & Juniata St.
Philadelphia

GENERAL
INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

SURETY
BONDS



PHILADELPHIA'S CONTRIBUTION TO HUMANITY

IT is a far cry to the days of old Blockley—the days from 1767 to 1834 when the ancestor of the Philadelphia General Hospital was known as the "Bettering House".

The new group of buildings at thirty-fourth and Pine Streets represents the utmost in modern hospital planning and construction at an initial expenditure of approximately \$4,000,000.

Universal praise is being accorded all those responsible for its existence.

Architect

PHILIP H. JOHNSON
PHILADELPHIA

Builders

F. W. MARK CONSTRUCTION CO., INC.
PHILADELPHIA

THE VAN SCIVER CORPORATION

Producers and Distributors • Building Materials

EXECUTIVE OFFICES—THE PARKWAY AT 24TH STREET, PHILADELPHIA



elphhia

and Today



AERIAL PHOTO BY
VICTOR DALIN
LANSDOWNE, PA.
©

hole which is nearly surrounded by water and has a green of extremely small dimensions. The drive dropped about a foot in front of the pin and bounced into the cup. Mr. George D. Van Sciver, President of the Van Sciver Corporation, Mr. John Barry, a local real estate operator, and Mr. William H. Doubler, a bond broker, completed the foursome. Mr. Coghlan is a member of the Bala Country Club and also of the Penn Athletic Club.

THE PHILADELPHIA GENERAL HOSPITAL

By JOSEPH CHAPMAN DOANE, M. D.

*Medical Director and Superintendent,
Philadelphia General Hospital*

Since 1920, some very important changes have been made at the Philadelphia General Hospital, in Philadelphia.

When the New City Charter became effective, the supervision of the Almshouse was transferred to the Department of Welfare, and it was physically located at Holmesburg. With the addition of new buildings to the plant of the Philadelphia Hospital for Mental Diseases, at Byberry, came the removal of all the committed insane from the grounds of the Philadelphia General Hospital.

These steps are perhaps the most important which have taken place to bring about the existence of a great municipal general hospital in West Philadelphia.

The existence of a general hospital, unencumbered by the presence of the insane and indigent, has been hoped for during many decades.

Perhaps five out of every ten citizens of Philadelphia, if asked where the almshouse is, would reply, "In West Philadelphia." There is need of a great educational campaign, to inform taxpayers of the City, that there is no almshouse in West Philadelphia nor is there an institution for the insane west of the Schuylkill.

The name "Philadelphia General Hospital" is more accurately descriptive now than at any time in the almost two hundred years of its existence. It is a great general hospital, which in size approaches that of any other similar institution in the United States.

The Relocation of the Old Hospital and the Building of the New

With the appropriation of four million dollars, by City Council, for the rebuilding of this old institution, came the need for careful planning, so that a very large institution could be conducted upon the same grounds upon which the new hospital was being built.

After the breaking of ground for the new hospital, which took place with appropriate ceremonies on September 21st, 1925, this relocation of wards and ad-

ministrative departments began in earnest.

Plans and specifications called for the construction of nine buildings, the demolition of the old stone wall surrounding the hospital property, and its replacement by an ornamental brick-and-iron fence.

The buildings, which are now approaching completion, are:

The Men and Women's Medical Buildings,

The Men and Women's Surgical Buildings,

The Administration Building,

The Surgical Clinic,

The Maternity Building,

The Children's Building,

The Nurses' Home.

It is planned to reserve approximately six hundred beds in the old buildings, and to use these structures for the care of chronic patients, not requiring the services of doctors and nurses.

There will be conducted, therefore, on the same grounds an acute hospital, located in the new buildings, and a chronic hospital, for the type of patient described above.

The General Plan of the New Hospital

The general plan, as will be noted from the representation of the Architect's plans which appears in this magazine, is that of a combination of the detached and block scheme of hospital building.

Facing a connecting, central corridor, which is eight hundred and seventy feet long and three stories in height (two stories inclosed and one open), is a great medical and surgical hospital, which consists of two buildings, connected on all floors with each other. These buildings are five stories in height, with a roof garden, and are constructed as outlined above to bring about a flexibility, which avoids the criticism usually justly attached to detached hospital planning.

In these two buildings of ten floors, six could be devoted to the care of men, and four to women, or the reverse, without interfering at all with the conduct of either department, the different sexes being treated in the same building. The general scheme of each floor is as follows:

Each floor, as a rule, consists of one twenty-five-bed ward, two eight-bed wards, one two-bed ward, and two single rooms. On each floor is to be found all the facilities for the care of patients, such as nurses' work-rooms, tray-rooms, dining rooms, class-rooms, visiting physicians' rooms, etc. The arrangement and location of the utilities have been given considerable thought, and it is felt that they have been successfully located to save the steps of nurses and others caring for patients.

The ground floor of these buildings has been given over to the out-patient de-

partments. The location of the corresponding out-patient department in each building is an attempt to co-ordinate the "out" and "in" service.

The Care of Medical Personnel

On the fourth floor of the Women's Medical Building is located a suite for medical personnel who are ill.

The Ex-Resident Association of Blockley Physicians has furnished a suite for members of its association and the Alumnae Association of the School for Nurses is likewise providing furniture for a suite devoted to the care of its members.

Fine facilities have been installed for the treatment of members of the Intern Staff, and the School for Nurses, who become ill during their stay in the institution.

Treatment of Pneumonia Patients

The treatment of pneumonia patients will be carried out on the roof of the Medical Buildings.

General Plan of the Administration Building

In the Administration Building, facilities for the admission of patients are located on the ground floor.

On the first floor is to be found the general offices, including a room for medical records, the social-service department, and the dental laboratories.

On the second floor is an auditorium, seating four hundred and fifty, as well as living quarters for some non-nursing hospital personnel; while on the third floor living quarters of the same type as on the second floor have been placed.

The Surgical-Clinic Building

In the Surgical-Clinic Building are to be found a modern amphitheater for teaching purposes, a central gauze-supply suite, and a most complete X-ray, bronchoscopic and cystoscopic outfit. On the first floor six operating rooms are located, with workers' rooms, storage space, etc.

Summary

Included in these eight buildings therefore are to be found provision for twelve hundred patients, and it is felt that every modern facility has been provided for the scientific care of the sick.

In the past nine years, there have been constructed at Thirty-fourth and Pine Streets the following buildings, which may be said to have been the beginning of the present construction:

A Pathological Laboratory,

A Nurses' Home,

A Power-house,

A Building for the Care of Women Suffering with Tuberculosis,

A Medical Personnel Staff House,

A House for Male and Female Attendants.

The institution, when the present buildings are completed, will house twenty-six hundred patients.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

FIREPLACE DAMPERS

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Blackburn, Wm. N. Drexel Hill, Pa.

FLAG POLES

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLOOR HARDENER

J. E. Lingo & Son Camden, N. J.

FLOORING (Rubber Tile)

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Steel)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLUE LINING

Irving Iron Works 1015 Chestnut St., Phila.

FOUNDATIONS

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FURNACES AND RANGES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

PANELS (Wood)

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PAVING BRICKS

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PHOTOSTATS

Ketcham, O. W. 121 N. 18th St., Phila.

PILES

Weber, F., Co. 125 S. 12th St., Phila.

PLASTERERS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTER KEY

Keen Bros. Merchantville, N. J.

PLUMBING FIXTURES

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

REINFORCING BARS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

ROAD MACHINERY

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

ROOFING

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

RUBBER FLOORING

Chapman Slate Co. Bethlehem, Pa.

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumsford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic &



1792 1927

"The Oldest
American
Fire and Marine
Insurance
Company"

BUILDERS' RISKS ARE MANY

but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps a Canal Out of this Building

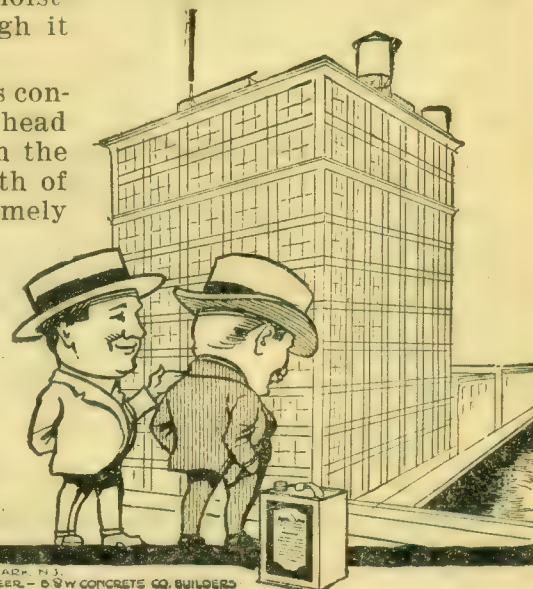
The concrete basement wall is also the canal wall. Water flows continually against the outside, but the inside of the wall is dry as a bone.

This concrete wall was waterproofed with "ANTI-HYDRO" fourteen years ago. Not a drop of moisture has ever penetrated through it during all these years.

"ANTI-HYDRO" waterproofs concrete *permanently* against any head of water. It also increases both the tensile and compressive strength of concrete and makes it extremely hard, all in *one operation*.

Being a liquid integral compound, "ANTI-HYDRO" is easy to use. It mixes readily with the gauging water without the aid of skilled labor.

For 23 years "ANTI-HYDRO" has been the accepted standard. Be sure to use it on your next job.



STOUTENDOUGH BUILDING CO. NEWARK, N. J.
FREDERICK PHELPS, ARCHT. - H. M. SHOEMAKER, ENGINEER - D. W. CONCRETE CO. BUILDERS

ANTI-HYDRO WATERPROOFING CO. 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 41
October 12, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

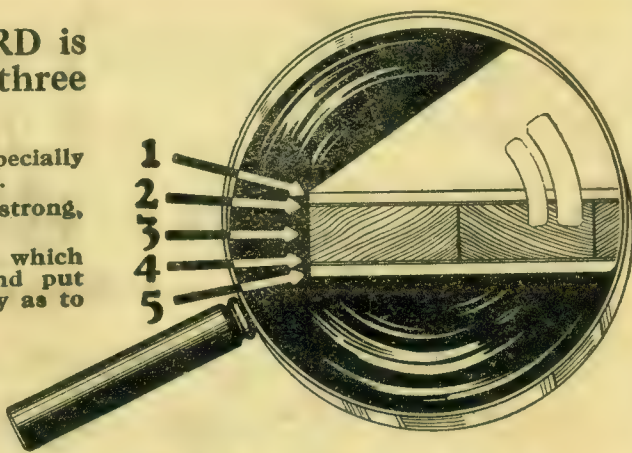
"P. G." Plaster of Paris

"Gyproc" Joint Filler

"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand
and
Supply Corp.

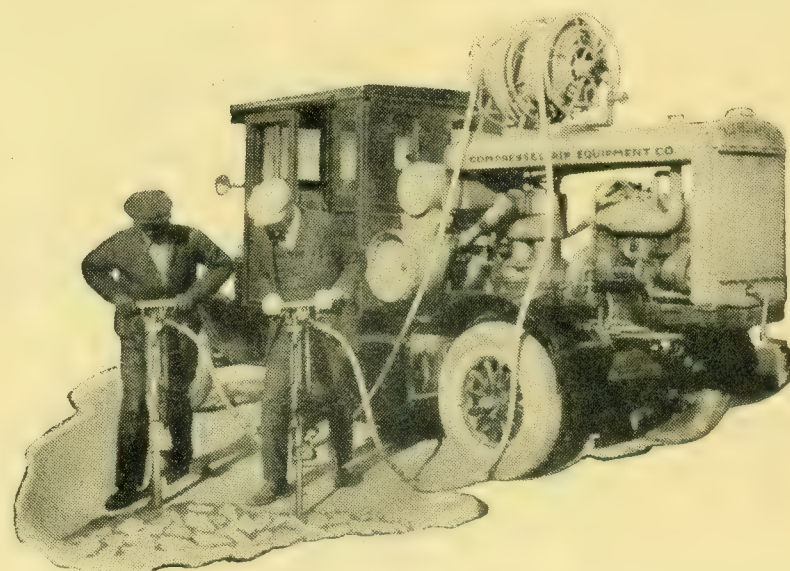
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE
Electric Refrigeration
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

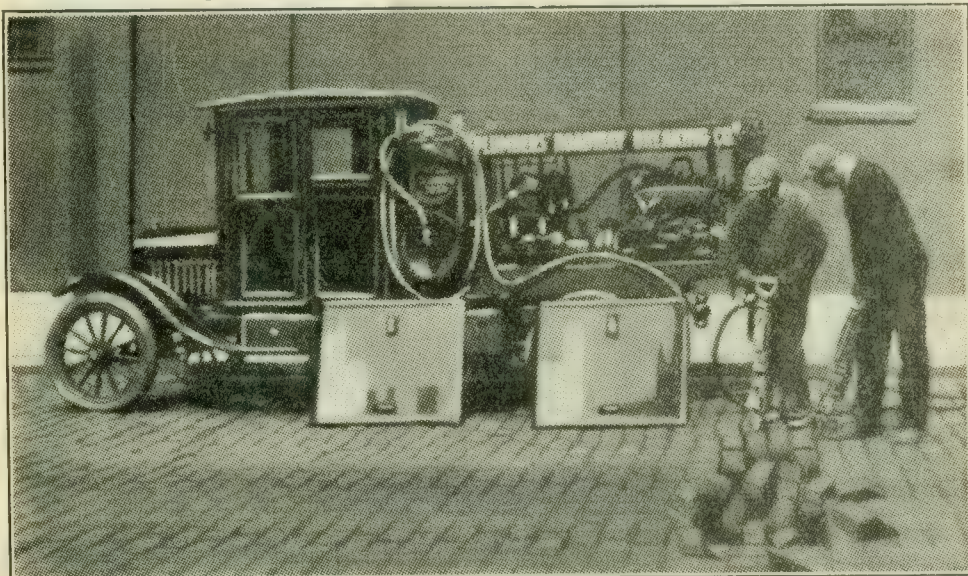
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

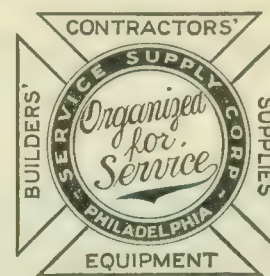
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



SERVICE SUPPLY CORPORATION

*Contractors' and Builders'
Supplies and Equipment*

EXPANSION JOINTS

ALL SIZES CARRIED IN PHILADELPHIA STOCK

Write for Our Bulletin on "UNITS FOR
WINTER CONSTRUCTION"

MAIN OFFICE AND WAREHOUSE
**20th and Venango Streets
Philadelphia**

BRANCH OFFICES AND WAREHOUSES
235-37 N. Virginia Avenue Atlantic City, N. J. Wilbur Trust Building Bethlehem, Pa.

BRICK

You may be familiar with the
UNUSUAL QUALITY
of the Finzer Full Range Forest Blend

FACE BRICK

but did you know that the price has been
Reduced to \$33.25 per M

Delivered and Stacked on the Job

OTHER UNUSUAL VALUES

are
Smooth Buff Courts \$31.75 per M
Vertical Tex Buffs \$30.00 per M

Telephone for samples and location of
jobs which we have served recently

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

Excavating

Steel
Erecting

Trench
Work

Car
Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING.
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street
PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



Department of Street Cleaning
Twenty-fifth and Oakford Streets
Extra Large Overhead Door, 14 ft. x 16 ft. 8 in.
Built in Eight Sections and Operated with Ease by Hand

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.
ILLUSTRATED CATALOGUE SENT ON REQUEST
Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

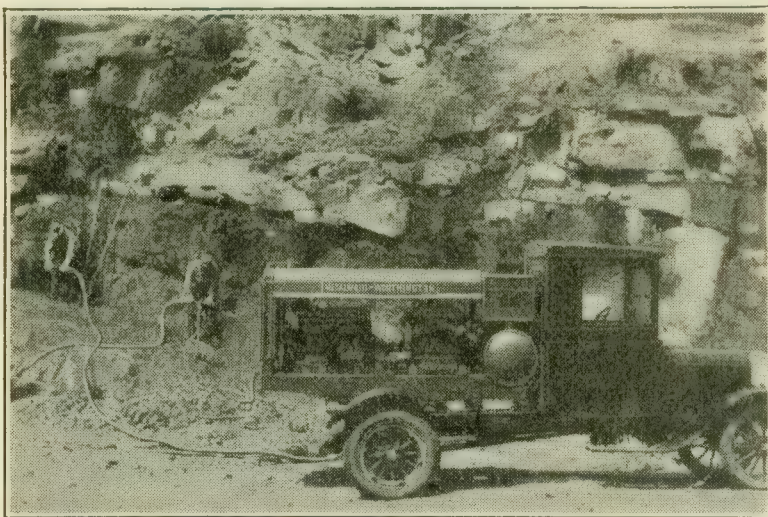
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 41

October 12, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence (alts.), Bethlehem pike near Germantown avenue. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owner, J. E. Zimmerman, 1600 Walnut street, Philadelphia. Plans in progress.

Church, Mt. Airy and Boyer streets, Philadelphia. Architects, H. D. Dagit & Son, 1329 Race street, Philadelphia. Owners, Holy Cross Roman Catholic Church, Rev. W. P. Brady, on premises. Stone, 1 story, 54x140 feet, slate roof. Plans in progress. Will be ready for bids December 1st.

Residences (20), Fifty-eighth street, Elmwood street to Gibson avenue, Philadelphia. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owners, Gollub & Green, Twentieth and Haines streets, Philadelphia. Brick, 2 stories, 16x32 feet, garages in basements, hot water heat, electric light, slate, Spanish tile and slag roof, hardwood and cement floors, tile work. Owners will take sub-bids.

Building (alts. and add.), Northwest Corner Sixteenth and Milon streets, Philadelphia. Architect, James F. Pierce, 4421 Pine street, Philadelphia. Owners, A. F. Bornot Brothers Co., on premises. Brick, stone work, structural steel, iron work, painting, glazing, hardware, electric work, reinforced concrete and cement work, carpentry and mill work, caulking, John Mansville built-up roof, tin-clad doors. Architect taking bids due October 14th.

Store Building, Northeast Corner Twelfth and Callowhill streets, Philadelphia. Architect, Benjamin Shulman, 1722 Arch street,

Philadelphia. Owner, Abrasam Schmerling, care of architect. Brick and steel, 2 stories and basement, 18x76 feet (plumbing, heating, electric reserved), pine and cement floors, masonry, metal window doors, plate glass, cast stone, structural steel, iron work. Architect taking bids due as soon as possible.

Residence and Garage, Chestnut Hill, Pa. Architects, Edwards & Hoffman, 315 South Fifteenth street, Philadelphia. Owner, J. D. Newbold, Jr., Chestnut Hill, Pa. Stone, cut stone, limestone, brick, 2½ stories and basement, 56x47 feet, wing 21x20 feet (heating, electric reserved), asbestos shingle roof, oak, pine and cement floors, plumbing, metal weather strip, flagstone, metal lath, bond, casement windows, ornamental iron work, brass pipe, iron pipe, area gratings, cinder concrete block, Zenithern flooring. Architects taking bids due October 15th.

Extension Northbound Platform, Wayne Junction, Philadelphia, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Concrete and wood work, 196 feet long, electric light, Barrett asphalt roof, cement floors, bond, ornamental iron work. Owners taking bids due October 14th.

Building, 1422-30 Chestnut street, Philadelphia. Agents, R. J. Seltzer, Inc., Fifteenth and Locust streets, Philadelphia. Remodeling, new front, new elevators, 12 stories, 46x230 feet. Work contemplated.

Hotel, Fifteenth, South of Cherry street, Philadelphia. Architect, Louis E. Jallade, 15 East Forty-second street, New York City. Owners, Young Men's Christian Association, E. H. Bonsalt, 1425 Arch street. Ready for new bids in three weeks.

Store (alts.), 1220 Vine street, Philadelphia. Architect, private plans. Owner, Anthony Sweeney, on premises. Brick work, plate glass, plastering, painting and glazing, cement work, slag roof, metal ceilings, carpentry and mill work, steel sash. John N. Gil Const. Co., City Center Building, Philadelphia, are taking sub-bids due as soon as possible.

Residences (20), South side Wellington street, West of Rowland street. Architect, private plans. Owner, S. Rochlis, 1518 North Fifth street, Philadelphia. Brick, 2 stories, 16x28 feet, 12x16 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment House, Southeast Corner Second and Olney avenue, Philadelphia, \$30,000. Owner, Joseph Sidewater, 1211 Chestnut street, Philadelphia. Brick, 2 stories, 105x42 feet, 25x8 feet, slag roof, hardwood and pine floors, electric light, tile work. Permit issued.

United States Custom House (alts.), Ninth and Market streets, Philadelphia. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Alterations to first and second floors. Owners taking bids due October 25th.

Miscellaneous Work, Philadelphia. Owners,

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

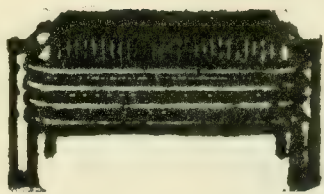
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street

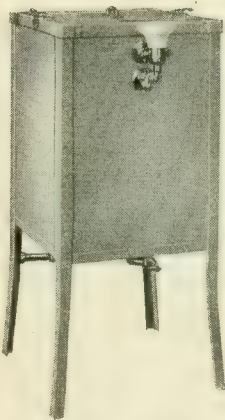


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



Office Model
Other models for clubs
factories, restaurants
and hotels

The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. CO.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSDOWNE, PA. CAMDEN, N. J.

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Department of Public Works, Bureau of City Property, Philadelphia. Owners taking bids due October 18th. Certified check, 5 per cent. Improvement of Whitehall Commons, Jackson and Filmore streets, Philadelphia.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due October 18th. Certified check, 5 per cent. 806—Steam heating system, Belmont Mechanical Filters. 900—Furnish and deliver pig lead. 901—Steam heating system, Torresdale Pumping Station. 903—Furnish and deliver single nozzle fire hydrants.

Office and Storage Building (add. and alts.), 1616 Thompson street, Philadelphia, \$3,000. Architect, private plans. Owners, Kober Const. Co., 34 South Seventeenth street, Philadelphia. Brick, second story add., 9x39 feet, general alterations. Permit issued.

Residences (43), East and West sides Marline street, South of Spencer street, Phila., \$176,000. Architect, private plans. Owner, Louis Craine, 5614 Gainor road, Philadelphia. Brick, 2 stories, 16x28 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (12), Allengrove street and Castor avenue, Philadelphia, \$78,000. Architect, private plans. Owner, John D. Fotheringham, 1000 Arrott street, Philadelphia. Brick, 2 stories, 18x46 feet, 14x8 feet, hardwood and pine floors, slag roof, hot water heat. Permit issued.

Residence and Store (alts.), 6050 Ogontz avenue, Philadelphia, \$2,500. Architect, private plans. Owner, Isaac Shapiro, 1002 Bailey Building, Philadelphia. General alterations. Permit issued.

Residences (20), East side M street, North of Luzerne street, Philadelphia, \$130,000. Architect, private plans. Owners, Gale & Witty, Inc., M and Luzerne streets, Philadelphia. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof, hardwood and pine floors, hot water heat, electric work. Permit issued.

Residences (16), North side Cheltenham avenue, Saul to Oakland streets, \$68,000. Architect, private plans. Owners, P. J. & T. P. McFarland, 2409 East Allegheny avenue. Brick, 2 stories, 20x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2) and **Garage** (1), Sixty-fifth street, North of Girard avenue, \$9,800. Architect, private plans. Owner, Gus Centrone, 6339 Race street, Philadelphia. Brick, 2 stories, 15x32 feet, 12x13 feet, slag roof, hardwood floors, hot water heat, electric light, garage, stone, 1 story, 8x17 feet. Permit issued.

Contract No. 182, Broad Street Subway,

Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: Curtis Co., 10 South Eighth street, Philadelphia, \$257,195; Ascher Engineering & Contracting Co., 1457 Broadway, N. Y., \$263,826.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Engineering, 216 City Hall. Retaining walls East approach, Green Lane Bridge, C. A. McDonald, 809 North Sixty-third street, Philadelphia, \$43,070. Sewers—Duffield street, Comley to Frankford, P. Ventresco, 6325 Chew street, Philadelphia, \$14,052.50. G street, Erie avenue to Luzerne street, Leva Brothers, 104 West Gale street, Philadelphia, \$9,350. I street, Venango to Atlantic, P. Ventresco, 6325 Chew street, Philadelphia, \$2,433.50. Lorretto, Princeton to Gottman avenue, F. De Pasquale, Philadelphia, \$17,275. Magdalena, Wendover to Walnut lane, Hasty & Co., 1312 Jerome street, Philadelphia, \$13,890.05.

Supplies, Phila. Pur. Agent, 312 City Hall, Phila. Owner taking bids due Oct. 18th. Certified check, 5%. Paving material and block filler.

Meeting House (alts. and add.), 15th and Cherry street, Phila. Architects, Bunting & Shrigley, 603 Chestnut street, Phila. Owner, Phila. Friends Society, on premises. Painting, plastering, carpentry and millwork, hardware. Architects taking bids due as soon as possible.

Building (alts. and add.), 2122 Walnut street, Phila. Architect, A. C. Boeber, 1520 Locust street, Phila. Owner, name withheld. Brick, stone, 3 stories, 22x100 feet, general alterations. Plans in progress.

Theatre, 4648-58 Frankford avenue, Phila. Architect, Hoffman Henon, Finance Building, Phila. Owner, Merchantile & Theatre Corp., Inc., Jos. Bernhard 13th and Chestnut streets, Phila. Lessee, The Stanley Co., 1916 Race street, Phila. Seating capacity, 3,500. Plans in progress.

Machine Shop, S. S. Wyoming Ave., E. 3rd Street, Philadelphia, \$75,000. Owner, P. R. T. Co., Broad and Locust streets, Phila. Permit issued.

Residences (8), Luzerne street, W. of Holland street, Phila., \$31,800. Owner, Joseph Silver, 5116 N. Camac street, Phila. Brick, 2 stories, 15x28 feet; 12x11 feet, hot water heat. Permit issued.

Store, 2236-38 N. Front street, Phila. Architect, Max A. Bernhardt, 127 N. 18th street, Phila. Owner, J. A. Silverstein, 2310 N. Front street, Phila. Plans in progress, details not decided.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX-JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired—Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia

Established 30 years

SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

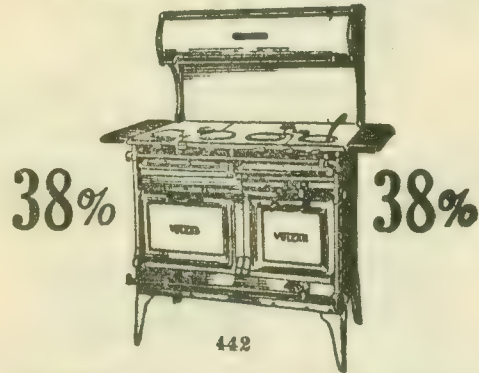
532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

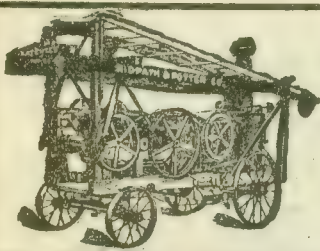
VULCAN SMOOTHTOP (COMPACT) GAS RANGES



38% 38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

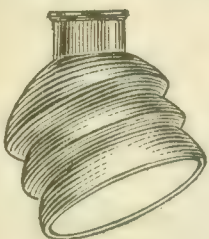
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Bank (add.), Northeast Corner Second and Girard avenue, Philadelphia. Architect, private plans. Owners, Eighth National Bank, on premises. Brick, granite, limestone, steel, 3 stories and basement, 30x30 feet, rubber tile and cement floors, slag roof, hollow tile, plumbing, metal window guards, waterproofing and dampproofing, area gratings, ornamental iron work, iron stairs, fire doors, hollow metal sash, tile and marble and terrazzo work, metal lath, electric light, oil burner, steam heat, composition floors. Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Building, Tulip and Sangor streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, J. Warren Watson Co., on premises. Brick, reinforced concrete, steel, 1 story, 26x14 feet, slag roof, cement floors, roof ventilators, rolled steel sash, bond, floor hardener, ornamental iron work. Contract awarded Robert E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Alterations, 1526 Delancey street, Philadelphia. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, name withheld. Repairs to garages, cement work, carpentry and mill work, electric light, painting, plumbing (hot water heat reserved). Contract awarded Holburn & Stark, Capitol and Waverly streets, Philadelphia.

Stores (alts. and add.), Northeast Corner Ninth and Market streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Blauners, Inc., on premises. New store-fronts, plastering, wood floors, painting, rolled steel doors. Contract awarded Roberts & Roller, 1700 Walnut street, Philadelphia.

Store and Apartment (alts. and add.), 337 West Girard avenue, Philadelphia. Architects, The Penwood Co., City Center Building, Philadelphia. Owner, P. D. Jacobson, on premises. Brick, 3 stories and basement, 16x70 feet, oak floors, painting, glazing, hot water heat, oil burner, plastering, carpentry and mill work, hardware. Contract awarded A. Kirpich, 3211 West Oxford street, Philadelphia.

Warehouse (alts.), 255 South Third street, Philadelphia. Architect, B. V. Schlein, 6605 North Eighteenth street, Philadelphia. Own-

ers, Central Piano Repair Co., 243 South Third street, Philadelphia. Concrete and cement work, brick work, slag roof, steel and iron work, mill work, fire doors, glazing, hardware, plumbing and heating. Contract awarded G. S. Rowe, 7711 Lyons avenue, Philadelphia.

Telephone Building (alts.), Sixty-fifth avenue and Old York road, Philadelphia. Architect, private plans. Owners, Bell Telephone Co., Seventeenth and Arch streets, Philadelphia. Cement work, sodding, seeding, iron railings. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Bungalow, East side Vincent street, West of Castor road, Philadelphia, \$6,500. Architect, private plans. Owner, John Pickup, 3163 Tulip street, Philadelphia. Frame, brick, 1 story, 26x44 feet 6 inches, hardwood and pine floors, hot water heat, electric light. Contract awarded to Jacob Gaertner, 8315 Pine road, Philadelphia.

Residence and Store (add. and alts.), Southeast Corner Manayunk and Roxborough avenues, Philadelphia, \$2,000. Architect, private plans. Owner, Harry Kessler, 301 Roxborough avenue, Philadelphia. Brick, 1 story add., 25x12 feet, general alterations. Contract awarded to David Goldman, 5376 Montgomery avenue, Philadelphia.

Garage, 5403 Chancellor street, Philadelphia, \$2,000. Architect, private plans. Owner, John Hoffman, 5402 Walnut street, Philadelphia. Brick, slag roof, cement floors, electric light. Contract awarded Charles H. Zebley, 340 Quince street, Philadelphia.

Residences (10), Rhawn and Bustleton avenue, Philadelphia, \$45,000. Architect, private plans. Owners, Isard & Orleans, Shubert Building, Philadelphia. Brick, 2 stories, 16x25 feet, 18x24 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded Morris Caplan, 4858 Gransback street, Philadelphia.

Offices (alts.), Northeast Corner Third and Walnut streets, Philadelphia, \$8,000. Architect, private plans. Owner, J. Wallace Hallowell, 13 South Broad street, Philadelphia. General alterations. Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Manufacturing Building (alts.), Northwest Corner Tioga and Salmon streets, Philadelphia, \$7,500. Owners, Schwarzwelder Co., on

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



premises. General alterations. Contract awarded H. M. Wilson, 20 South Fifteenth street, Philadelphia.

Tank Support, Northeast Corner Fifteenth and Lehigh avenue, Philadelphia, \$4,000. Owners, Moore & White Co., on premises. Contract awarded S. G. Matthews Co., 2016 West Lippincott street.

Shop and Restaurant (alts.), 1520 Sansom street, \$3,000. Owners, Philadelphia News Bureau, Fifth and Sansom streets, Philadelphia. General alterations. Contract awarded Phister Lancaster Co., 256 West Washington lane.

Residences (8) (6) Griffith street, West of Horrocks, \$27,600; (2) Ripley street, East of Large, \$9,200. Owner, J. F. Burkhart, 7969 Castor avenue, Philadelphia. Brick, 2 stories, 16x43 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to Charles M. Sinn, 7969 Castor avenue, Philadelphia.

Residence and Garage, Roumfort street, East of Ardleigh street, \$26,000. Architect, private plans. Owner, Lewis Moxey, 7437 Sprague street, Philadelphia. Stone, 2 stories, 45x33 feet, slate roof, hardwood and pine floors, hot water heat, electric light, tile work, garage, concrete block, 1 story, 20x20 feet, cement floors. Contract awarded to W. E. Hale, 1516 Summer street, Philadelphia.

Residence and Store (alts.), 1437 South Thirteenth street, Philadelphia, \$4,000. Architect, private plans. Owner, Luigi Searicawazza, 1410 North Thirteenth street, Philadelphia. General alterations. Contract awarded to Angelo Searicawazza, 1707 South Darien street.

Office, Northwest Corner American and Cambria streets, Philadelphia, \$2,000. Architect, private plans. Owners, S. Scullin & Sons, on premises. Brick, 1 story, 18x20 feet. Contract awarded to Knox-Landers Co., 1132 Vine street, Philadelphia.

Residence and Store (alts.), 2134 West Tioga street, Philadelphia, \$2,000. Architect, private plans. Owner, P. Aldrick, 2134 West Tioga street, Philadelphia. General alterations. Contract awarded to John Roman, 414 East Brighthurst street, Philadelphia.

Store and Work Room, Northwest Corner Mt. Airy avenue and Airdrie street, Philadelphia, \$8,500. Architect, private plans. Owner, A. W. Woltenmate, on premises. Brick, 1 story, 25x54 feet. Contract awarded to Frank Radomski, 4329 North Sixteenth street, Philadelphia.

Residence and Store (add. and alts.), 337 West Girard avenue, \$8,000. Architect, private plans. Owner, P. D. Jacobson, on premises. Brick, 1 story add., 12x28 feet, general alterations. Contract awarded to A. S. Kirpich, 3211 West Oxford street, Philadelphia.

Boiler House, Armat and Lena streets, Philadelphia, \$6,000. Owners, Continental Mills, on premises. Brick, 1 story, 42x33 feet. Contract awarded to George P. Clayton, 1819 North Twentieth street, Philadelphia.

Residence and Store (add.), 1401 South Eighth street, Philadelphia, \$2,500. Architect, private plans. Owner, Dominic Cardinella, Southeast Corner Eighth and Reed streets, Philadelphia. Brick, 3 stories add., 16x25 feet. Contract awarded Raffale Borrelli, 1525 Dickinson street, Philadelphia.

Residence, Northwest Corner Fifth and McKean streets, Philadelphia, \$6,500. Archi-

tect, private plans. Owner, Max Fine, 1938 South Fifth street, Philadelphia. Brick, 2 stories, 18x49 feet, hardwood and pine floors, electric light. Contract awarded Lit & Rosenthal, 713 Cantrell street, Philadelphia.

Residence, Northwest Corner Eighty-seventh and Bartram avenue, Philadelphia, \$3,500. Architect, private plans. Owner, Leay Pitchford, 8716 Laycock avenue, Philadelphia. Brick, 2 stories, 24x32 feet, slag roof, pine floors, electric work. Contract awarded to Frank Brown, 8529 Laycock avenue, Philadelphia.

Residence and Store (alts.), Northeast Corner Main and Grape streets, Philadelphia, \$3,340. Architect, private plans. Owner, Arthur R. Flanagan, Bala, Pa. General alterations. Contract awarded to William A. McCauley, 4419 Terrace street, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways, City Hall. Indian Queen Lane, A. De Sandro, 6400 North Fifth street, Philadelphia, \$10,809. Gerhard, Henry, J. Hastie and S. Solomon, 5720 Virginian road, \$7,977.50. D street, Vetteri-Pontalli, 523 West Rising Sun avenue, \$8,294. Inlet and lateral's, F. T. Buckius, Kensington and Deal street, \$34,000. Woodbine, T. P. Lee, Fifty-sixth and Summer streets, Philadelphia, \$13,898. Cora street, Second street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$8,985.92. Cristin, Mack Paving Co., \$14,961. Aramingo, Mack Paving Co., Nicetown and C street, Philadelphia, \$18,467. Chestnut, Union Paving Co., Thirtieth and Locut itreets, \$127,661.64. Eva, J. Salvucci, 512 North Sixty-fifth street, \$16,132. Durcas, Montour, Wilson Martin, Inc., Second and Jefferson streets, \$8,384. Ditman street, Wilson Martin, Second and Jefferson streets, \$7,463.70. Maple, Curtis Brothers, State road, \$8,202.

John Schnabel, Inc., Builders, formerly of Abbott Building, Philadelphia, have opened new offices at the Northeast Corner Thirteenth and Chestnut Streets, Philadelphia.

Sinclair & Grigg, Builders, formerly of Medical Arts Building, Philadelphia, have opened new offices at 1518 Walnut Street, Philadelphia.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship, it is going to miss by just that much the pulling power it ought to have.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620

RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIEFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY**

ON
QUARRIES

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

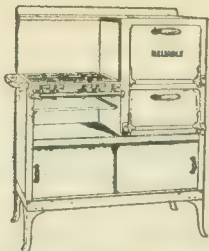
All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

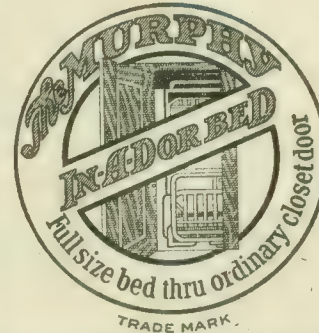
H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



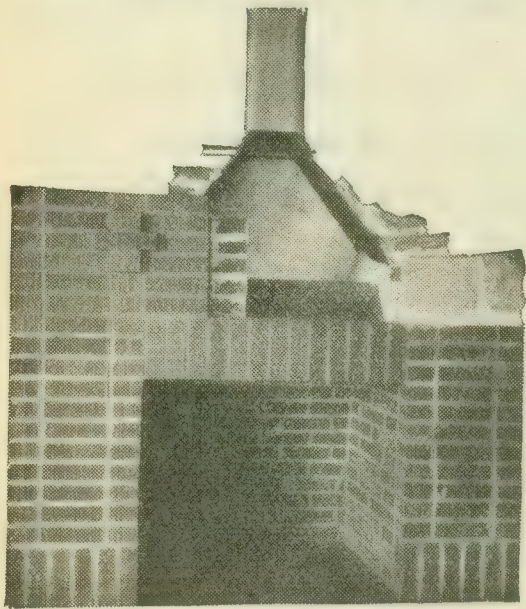
Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Mur

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

THERE IS ONLY ONE IN-A-
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

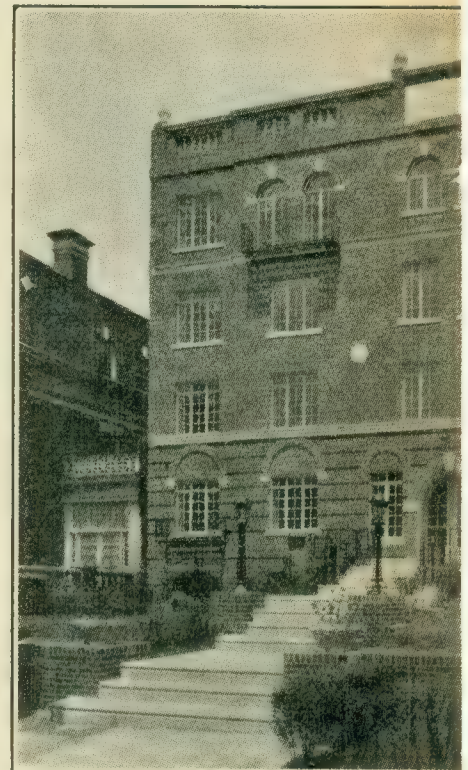
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature.



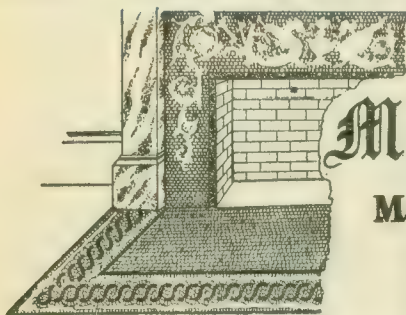
BUILD WITH

ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hai
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

BEDS

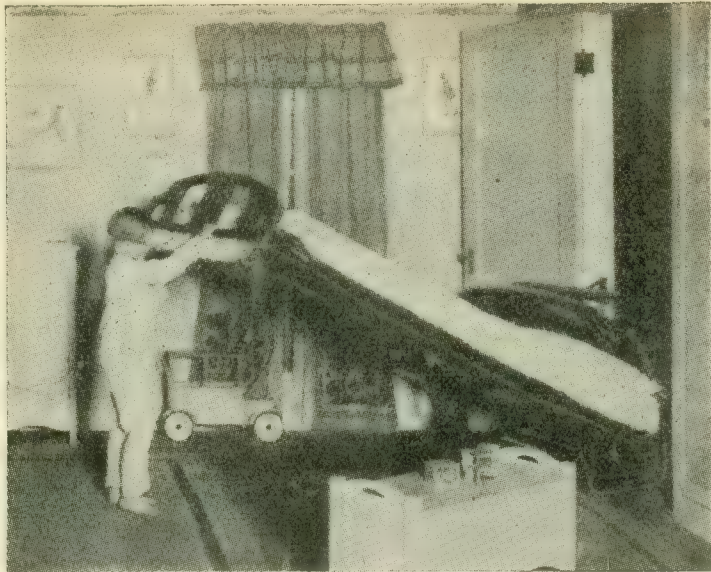
omes
rings

call at our
lain kitchen
ng boards as
Beds

D CO.

ley Building
t 44th Street
ew York

R BED



A child can operate the bed

Comfortable, Convenient

here represented sell
nd Specified Materials or
elt of their co-operation.



NETEX

urfaces

Checks are beginning to show,
ing Truscon STONETEX.

and the concrete is spalling
stopped by the application

Does it prevent moisture
also covers the surface
ries flat. It does not
like masonry.



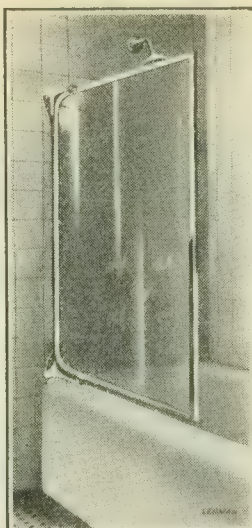
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

BEDS

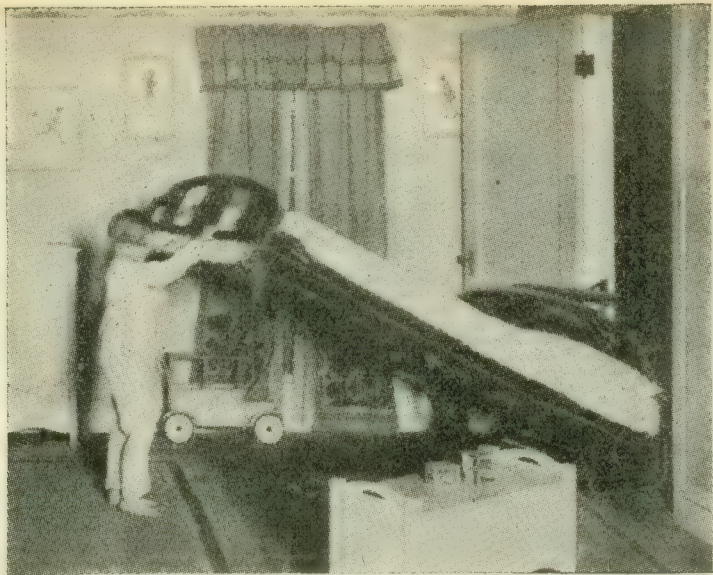
omes
rings

call at our
lain kitchen
ng boards as
Beds

D CO.

ley Building
t 44th Street
ew York

R BED



A child can operate the bed

nfortable, Convenient
here represented sell
nd Specified Materials or
elt of their co-operation.



NETEX

urfaces

hecks are beginning to show,
ing Truscon STONETEX.

and the concrete is spalling
a stopped by the application

oes it prevent moisture
also covers the surface
ries flat. It does not
like masonry.



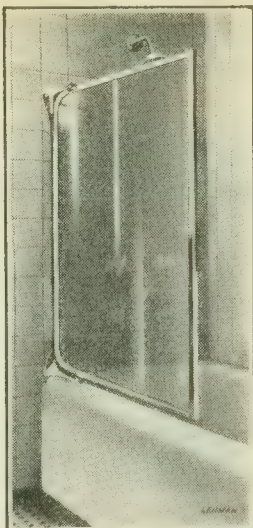
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

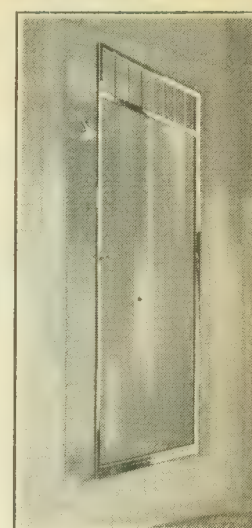
LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

electric light, plumbing. Plans in progress.

School Building, Athletic Field, Tracey Tract, Conshohocken, Pa. Owners, Board of Education, Conshohocken, Pa. Site purchased. Work contemplated.

Residence, Chadsford, Pa. Architects, Willings, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Daniel Bates, Chestnut Hill, Pa. Stone, 2½ stories. Plans in progress. Ready for bids in a month.

Hospital, Lima, Delaware County, Pa. Architect, George S. Idell, Corn Exchange Building, Philadelphia. Owners, Delaware County Poor District, Lima, Delaware County, Pa. Brick, terra cotta, 1 story, 150x59 feet, slate roof, concrete and hardwood floors, vapor heat, electric light, tile work. Plans will be ready for bids in one week.

Residence, Paoli, Pa. Architect, Robert L. Colton, 1520 Locust street, Philadelphia. Owner, Fred Huggler, Bryn Mawr, Pa. Stone, concrete block, stucco, 2 stories, heating, lighting and plumbing extensions, wood shingle roof, hardwood floors. Owner taking bids due as soon as possible.

Paving, Upper Providence Township, Delaware County, Pa. Architect, private plans. Owners, Upper Providence Township, Delaware County, Charles Fields, Sandy road, Media, Pa. Owners taking bids due October 15th, 10 A. M. Reconstruction of 9,500 lineal feet oil-bound macadam pavement, 16 feet wide; 8,280 lineal feet penetration macadam pavement, 16 feet wide; 4,800 lineal feet penetration macadam pavement, 16 feet wide.

Building, Lansdowne, Pa. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, Lansdowne Country Day School, Lansdowne, Pa. Architects taking bids.

Eastern Penitentiary, Gratersford, Pa. Architects, Zimmerman, Saxe & Zimmerman, Chicago, Ill. Supervising architects, Day & Zimmerman, 1600 Walnut street, Phila. Owner, Board of Trustees, Eastern Penitentiary, 21st and Fairmount avenue, Philadelphia. Architect selected.

Approximately 2,000 Square Yards Reinforced Concrete Cement Roadway, Haverford Township, Pa. Owners, Commissioners of Haverford Township, H. Fritchman, Oakmont, Pa. Certified check, \$500, deposit, \$10.00 refunded. Plans and specifications from A. C. Williams, Oakmont, Pa. Owner taking bids due Oct. 14th, 7.30 P. M.

Twin Residences, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Phila. Owner, Philip W. Klause, Ricby avenue, Lansdowne, Pa. Stone, cement block, brick, stucco, 3 stories, 20x35 feet, garage, frame, 1 story, 10x18 feet, creosote dipped shingle roof, hardwood floors, cement work, hot water heat, electric light, tile and marble work. Owner taking sub-bids.

School Building, Blackwood Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Phila. Owner, Board of Education, Sugarloaf, Blackwood Township. Plans in progress.

"Facts are stubborn things." Advertise only the truth about your product and watch the result.

Pennsylvania Contracts Awarded

Junior and Senior High School, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lansdowne School Board, care of F. S. Underhill, 122 North Broad street, Philadelphia. Brick, reinforced concrete, steel, limestone, 2 stories and basement, 80x390 feet, wing 127x119 feet, built-up slag roof, composition, and cement floors, hollow tile, roof ventilators, dampproofing, cast stone, wall finish, iron stairs, concrete cinder block, area gratings, ornamental iron work, bond, hollow metal doors, rolled steel skylights, tile and marble work, metal lath. Contract awarded John McShain, 1713 Sansom street, Philadelphia.

Elementary School, Reservoir street, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 2 stories, 203x96 feet, slate or Barrett roof, roof ventilators, linoleum floors, hollow tile, safety treads, metal weather strip, waterproofing and dampproofing, Indiana limestone, wrought iron pipe, iron or steel stairs, fire doors; metal lath, tile, marble. Contract awarded Herman Wohlsen, Lancaster, Pa. Plumbing, Musselman & Schwarz, 130 North Christian street, Lancaster, Pa. Heating, Everts & Overdeen, 1 Howard avenue, Lancaster, Pa. Electric, Conestoga Electric Co., Lancaster, Pa.

Residence, Wallingford, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, William Clarke, Packard Building, Philadelphia. Stone, frame, cut stone, 2½ stories and basement, 69x56 feet, shingle roof, cement, oak and pine floors, plumbing, heating, electric reserved), metal lath, tile work, bond, ornamental iron work, iron stairs, bluestone, cement, oak and pine floors. Contract awarded C. E. Fogg, Lansdowne, Pa.

Parsonage, Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, Grace Lutheran Church, care of architect. Brick, 2½ stories, 40x40 feet, slate roof, hardwood floors, tile work, electric light, hot water heat. Contract awarded H. L. Wiant, 544 Mill street, Lancaster, Pa.

Residence (alts.), Latches lane and Old Lancaster road and Merion road, Merion, Pa. Architect, D. B. Bassett, 1520 Locust street, Philadelphia. Owner, A. H. Geuting, on premises. General renovation and additions. Contract awarded W. J. Ryder, 1725 Sansom street, Philadelphia.

Residence (alts.), Saxer avenue, Springfield, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, Dr. George C. Stear, on premises. General alterations. Contracts awarded J. M. Edenhart, care of architect.

Church (alts. and add.), Haws and Marshall streets, Norristown, Pa. Architect, H. G. McMurtrie, 1012 Walnut street, Philadelphia. Owners, Calvary Baptist Church, Norristown, Pa. Contract awarded R. F. Houghton, Norristown, Pa.

Statement of the Ownership, Management, Circulation, etc.

Statement of the ownership, management, circulation, etc., of The Builders' Guide, published weekly at Philadelphia, Pa., required by the Act of August 24, 1912, for April 1, 1927.

Editor, H. L. Sharpe.

Managing Editor, none.

Business Manager, Louis S. DeLone.

Publishers, Building News Publishing Co., 1530 Chestnut street, Philadelphia.

Owners, Building News Publishing Co., 1530 Chestnut Street, Philadelphia, Pa., Louis S. DeLone, 1530 Chestnut Street, Philadelphia, Pa.

Known bondholders, mortgages and other security holders holding one per cent. or more of total amount of bonds, mortgages or other securities, none.

(Signed)

Building News Publishing Co.,

Louis S. DeLone, Business Manager.

Sworn and subscribed before me this 15th day of September, 1927.

H. A. Lang, Notary Public.

(My commission expires March 2, 1929.)

The Seal-A-Void Co.
WATERPROOFING ENGINEERS
Preservative Coatings For
**BRICK, STONE, CONCRETE AND
STUCCO**
PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

WE BUILD ANYTHING
LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Residence (2), Bryn Mawr, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owner, G. Herbert Taylor, 1518 Walnut street, Philadelphia. Stone, cut stone, 2½ stories and basement, 71x47 feet, 69x28

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

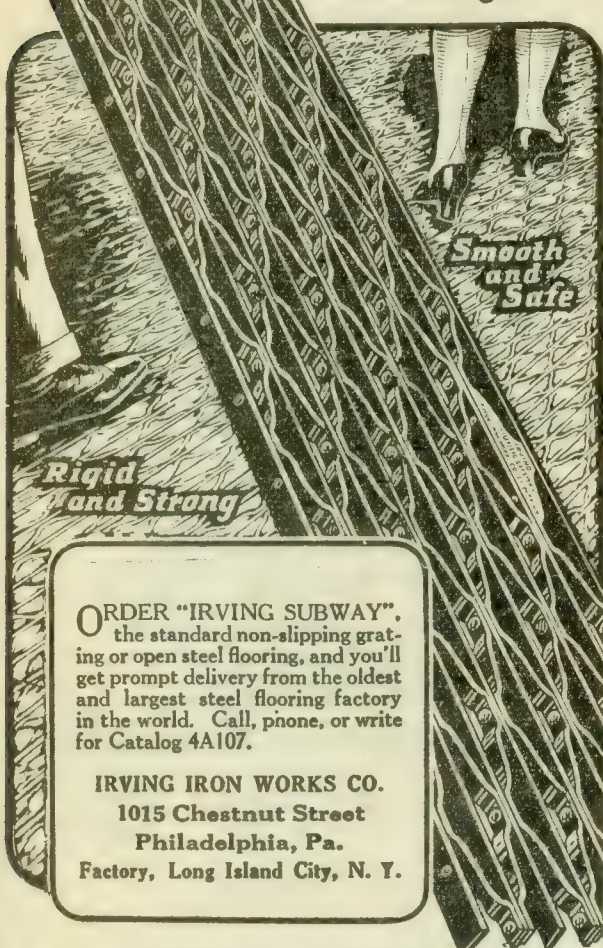
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings —*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**

feet, slate roof, pine, oak and cement floors (plumbing, heating, electric reserved), metal lath, tile work, bond, iron work. Contract awarded J. Howard Roberts, Lansdowne, Pa.

Residence (alts.), Mermaid and Bethesda avenue, Wynndmore, Pa. Architect and owner, Clark Dillenback, Twelfth and Market streets, Philadelphia. Sanitas, carpentry and mill work, plumbing, electric work, celotex, shingle roof. Contract awarded I. S. Grindrod, 10 South Eighteenth street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Erie County, R-86, S-3, Fairview Township. One course reinforced concrete. Contract awarded to Charles H. Fry Const. Co., Erie, Pa., \$36,557.

Somerset County, R-186, S-1, A-4701, Somerset Borough. One course reinforced concrete. Contract awarded to Michael Barber, Binghamton, N. Y., \$17,564.30.

Cambria County, R-406, S-1, Allegheny Township. One course reinforced concrete. Contract awarded to A. R. Cooper, Parkers Landing, Pa., \$82,678.45.

Chester County, R-543, Tredyffrin Township. One course reinforced concrete. Contract awarded F. Mark Cont. Co., N and Wingohocking streets, Philadelphia, \$66,003.07.

McKean County, R-236, Ceres Township. One course reinforced concrete. Contract awarded Smouse & Kreamer, Galetton, Pa., \$120,624.84.

Erie County, A-4709, Harbor Creek Township, Wesleyville Borough. One course reinforced concrete. Contract awarded to Charles H. Fry Const. Co., Erie, Pa., \$35,053.25.

Greene County, R-616, S-1, Dunkard Township. One course reinforced concrete. Contract awarded to McCrady Brothers Co., Brad-dock, Pa., \$160,536.

Erie County, Bridge, A-4900, Le Boeuff Township. Contract awarded to Milliron Const. Co., Dubois, Pa., \$39,917.14.

Westmoreland County, A-4561, 258, 259, East and South Huntingdon Townships. One course reinforced concrete. Contract awarded to J. C. Mickey, Latrobe, Pa., \$249,800.44.

Bucks County, A-4947-8, Bristol Township, Bristol Borough. One course reinforced concrete. Contract awarded to William Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$38,766.15.

Somerset County, R-50, S-5, Milford and Middle Creek Townships. One course reinforced concrete. Contract awarded to James & Nicholson, Inc., Johnstown, Pa., \$45,066.70.

Delaware County, A-4682, Tinicum Township. One course reinforced concrete. Contract awarded William Eisenberg, Smith-Aus-

termuhl Building, Camden, N. J., \$72,865.35.

Bucks County, R-153, Sellersville Borough. One course reinforced concrete. Contract awarded to H. C. Kersteen Co., Kingston, Pa., \$27,253.46.

New Jersey Construction News

Stores (2), Apartment (alts. and add.), Forty-second and Federal streets, Camden, N. J. Architect, H. E. Hall, Merchantville, N. J. Owner, name withheld. Brick, 3 stories, 2-story add., 25x40 feet, slag roof, oak floors, cement work, plate glass, flush bulks, hot water heat, electric light, tile work, interior alterations. Plans in progress.

Wyoming Tribe, No. 455, 417 Pearl street, Camden, N. J. Architect, Howard E. Hall, Merchantville, N. J. Owners, I. O. R. M., Camden, N. J. Alternate plans will be drawn. Ready for bids in one week.

Armory, Dumont, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Company C, 104th Engineers, Military Board, State of New Jersey, Trenton, N. J. Brick, steel, 2 stories, 80x100 feet, hollow tile, metal lath, steel sash, fire doors. Architect taking bids due October 17th.

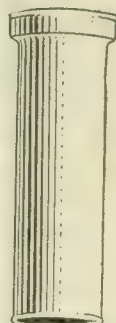
School, Lindenwold, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Clementon Township School Board, Clementon, N. J. Brick, 2½ stories and basement, 77x38 feet, slate roof, pine and cement floors (plumbing, heating, electric separate), metal lath, bond, ornamental iron work. Owners taking bids due October 14th.

Stores (9), Apartments, Westmont, N. J. Architect, J. Herbert Radey, Camden, N. J. Owners, S. Schwartz and M. Brown, Collingswood, N. J. Brick, 2 stories, 18x60 feet, slag roof, pine floors, hot water heat, electric light, flush bulks, plate glass, copper bars. Held up until spring, 1928.

School Building (alts.), North Wildwood, N. J. Architects, Staackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Board of Education, North Wildwood, N. J. Brick, reinforced concrete (plumbing, heating, electric reserved), metal lath, monolithic floors, plastering, carpentry and mill work, painting, glazing, hardware, slate work, dampproofing, iron work. All bids rejected. Owners taking new bids due October 25th.

High School, Bridgeton, N. J., \$260,000. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, Bridgeton, N. J. Stone, brick, 2 stories. Plans in progress.

Grammar School, Riverton, N. J., \$200,000. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, Board of



Courtesy and Service are always here—

You will find us right on the job with

TERRA COTTA

SEWER PIPE, FLUE LINING, WALL COPING

Give us the opportunity of serving you

William H. Clausen

27th and Diamond Streets, Philadelphia

Columbia
6526-6527

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Education, Riverton, N. J. Stone, brick. Ready for bids in two weeks.

Work House (add.), near Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Mercer County Board of Chosen Freeholders, W. Fowler, Clerk, Court House, Trenton, N. J. Brick, steel, 2 stories and basement, 45x112 feet, slag roof, concrete floors, electric work, iron stairs. Owners will be ready for bids in ten days.

Viaduct, Embankment and Paving, Newark, N. J. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Section 13, Route 1 extension, Newark, N. J. Contract 7, bridges, retaining walls and other structures of steel, masonry or reinforced concrete, foundations, embankments. Deposit, \$50, refunded. Certified check, 10 per cent. Owners taking bids due October 17th at noon.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Shore relief route, Revision of Route 4, from Shark River to Asbury avenue, Monmouth County. Certified check, 10 per cent. Deposit, \$10. Owners taking bids due October 17th at noon.

Home (add.), Municipal Colony, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, City of Trenton, L. D. Hirsch, Clerk, City Hall, Trenton, N. J. Brick, steel, 2 stories, 106x60 feet, 37x40 feet, slate roof, tile and linoleum floors, fire escape, steel sash, electric light (heating, plumbing, electric separate). Low bidders: Samuel Wiley, 517 Monmouth street, Trenton, N. J., \$50,038; Harrison & Fisher, 242 Cuyler avenue, Trenton, N. J., \$52,988.

Buildings, Totowa, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Lowest bidders: Butler-Reisdorf Co., 120 East Forty-first street, New York, \$448,000; plumbing, Burns Lane, New Brunswick, N. J., \$45,843; heating, Frank McBride, Paterson, N. J., \$42,159; electric, Hoffman & Elias, 59 West Fifty-first street, New York, \$27,864.

High School, Mays Landing, N. J. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City. Owner, Board of Education, Hamilton Township, A. Smith, Mays Landing. Brick, reinforced concrete, steel, 3 stories and basement, 138x66 feet, wing 60x51 feet. Low bidders: Geo. W. Shaner & Son, Palmyra, N. J., \$179,987; J. M. Yardley, 1700 Walnut street, Phila., \$181,000.

and hollow metal doors, tile, marble work, metal lath, electric light, steam heat. Contract awarded McNeill Const. Co., Schaff Building, Philadelphia.

Sidewalks, Curbs and Gutters, Glendora, N. J. Engineer, A. J. Albertson, Camden, N. J. Owners, Township of Gloucester, Blackwood, N. J. Contract awarded Fabio Mattazzo, Camden, N. J., \$3,584.

Miscellaneous Construction News

School and Auditorium, Delmar, Del. Architects, Guilbert & Betelle, Newark, N. J. Owners, Delaware School Foundation, A. J. Taylor, Wilmington, Del. Brick, steel, 2 stories and basement, 181x81 feet, pine and cement floors, metal lath, bond, ornamental iron work. Owners taking revised bids due October 21st.

School (add.), Brunswick, Md. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Frederick County School Board, N. G. Palmer, secretary, Court House, Frederick, Md. Brick, steel, 2 stories and basement, 117x40 feet, 117x40 feet, composition and slate roof, hardwood floors, hollow tile, bond, fire doors (heating, plumbing and electric work separate). Owners taking bids.

Type Foundry, Harrison, N. Y. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Intertype Corporation, 1440 Broadway, New York. Architects taking bids due October 17th on the following items: Coal and ash hoist, refrigerators, sprinklers, boiler, kitchen and cafeteria equipment, plumbing, piping, refrigeration system.

Offices (60), third floor, Murray Hill Building, Fortieth and Madison avenue, New York. Engineer, Lloyd Cross, Delanco, N. J. Owner, care of Agents, Cross & Brown, 270 Madison avenue, New York. Lessees, Young & Rubicam, Inc., 285 Madison avenue, New York. Masonry, partitions, wood work, plastering, painting. Engineer taking bids on special woodwork, floor coverings, radiator covers and screens. Permit issued.

Bridge, over Hudson River, near New York City. Owners, Hudson River Bridge Commissioner, New York City. Low bidder on steel, McClintock-Marshall Co., Morris Building, Philadelphia, \$10,134,440.

Crew House, Cherry Island, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, A. I. DuPont, Delaware Trust Building, Wilmington, Del. Frame, 1 story,

42x56 feet, shingle roof, yellow pine floors, electric light, tile work. Plans in progress.

Garage (add. and alts.), Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, A. I. DuPont, Delaware

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue
West Collingswood, N. J.

Bell Phone: Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone: Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

1484 Bradley Avenue

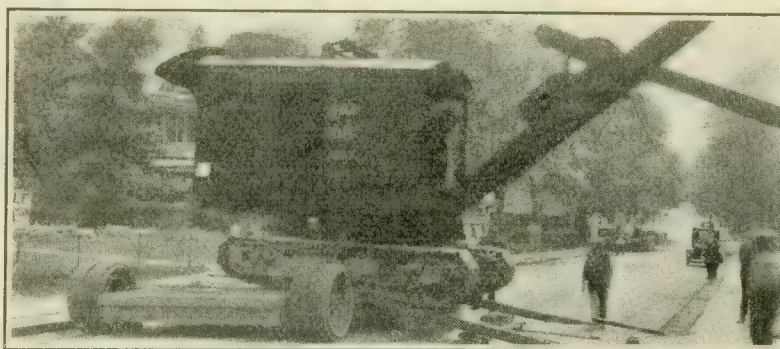
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

New Jersey Contracts Awarded

Church and Parish House, Moorestown, N. J. Architects, Karcher & Smith, 1520 Locust street, Philadelphia. Owners, Trinity Parish, Moorestown, N. J. Stone, limestone, cut stone, steel, 1½ stories, 2½ stories and basement, 80x114 feet, wing 64x24 feet, variegated slate roof, linoleum, oak, pine, cement and cork floors, maple floors, hollow tile, safety treads, plumbing, flagstone, wrought iron pipe, brass pipe, casement windows, art. stone, metal lockers, leaded glass, kalamein

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

Trust Building, Wilmington, Del. Porch enclosure, copper roof, cement and linoleum floors, hollow tile, tile work, general alterations, wrought iron. Plans in progress.

Residences (3), Spruce street, Wilmington, Del., \$12,000. Architect, private plans. Owner, J. L. Carpenter, Jr., DuPont Building, Wilmington, Del. Brick, 2 stories, 22x30 feet, sag roof, pine floors, hot water heat, electric light. Permit issued.

Miscellaneous Contracts Awarded

School, Abingdom, Harford County, Md. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Board of School Commissioners of Harford County, C. Milton Wright, Court House, Bal Air, Md. Brick, 1 story, 80x105 feet, composition roof, pine floors, hollow tile, roof ventilators, bond, steel sash (heating, plumbing, electric separate). Contract awarded to Bailey & Coale, Bel Air, Md.

Store, 2217 Washington street, Wilmington, Del., \$3,000. Architect, private plans. Owners, Hearn Brothers, 2215 Washington street, Wilmington, Del. Concrete block, 1 story, 23x58 feet, asphalt roof. Contract awarded Samuel Kohn, 801 West Nineteenth street, Wilmington, Del.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., September 30, 1927.—Sealed bids will be opened in this office at 3 p. m., October 25, 1927, for changes in the first and second stories in the United States custom house, Philadelphia, Pa. Drawing and specifications may be obtained from custodian of the building, or at this office in the direction of the Supervising Architect, JAS. A. WETMORE, Acting Supervising Architect.

OVERHEAD—A SIMPLE ITEM OF GREAT IMPORTANCE

By GEORGE R. DOYLE, C. P. A., formerly in charge of Accounting Service Department of The National Trade Extension Bureau of Plumbing and Heating Industries, Evansville, Indiana.

Ask any contractor what the parts of a Sale Price are and he will invariably say "Labor, Material and Profit." He completely overlooks another part of the price which is Overhead. The Building Contractor is not alone in this as many others of the building construction trades have the same mistaken idea.

Everybody who is in business, that is who makes or buys, and then resells has an overhead. It does not necessarily take a store, a warehouse or a factory building to produce an overhead.

What is overhead? It is that expense or expenses necessary to carry on the business which cannot be allocated or charged directly to any one job or sale. It consists of such items as rent, tele-

phone, office expense, heat, light, etc. In addition to these items there is the proprietor's salary. This should be included in every building contractor's overhead as separate and distinct from his profit. More in detail concerning this later.

Now let us answer the contractor who says he has no Overhead. His argument is that his business is so small that he does not have any of the expenses mentioned above. He uses his home for his office, consequently he has no light, heat or telephone. He does his own book-keeping, what little is done, therefore no office expense. As for his salary; he gets that out of the profit on the jobs. All of this is his argument on the subject of overhead.

Let us grant him all he says about his business conditions. He uses his house for an office. This necessitates a separate room or possibly only an unsightly desk in the living room. He is perfectly willing to go to this inconvenience, to mar the homelike appearance of his living room for perfect strangers without any recompense. Due to the private nature of his business and to prevent loss of customers through inability to get him on the phone promptly, he has a single line installed instead of the party line that would satisfy the family needs.

Another additional expense given to strangers free of charge. He is compelled to do his office work at night which requires additional light and heat since he would either be in bed or out socially were he not so engaged. So there is another gratuity to the public. He employs no office help; doing his own book-keeping. This he does without charge while the contractor who employs a book-keeper is reimbursed for that expense through his overhead included in the cost of the job. A certain amount of book-keeping has to be done whether paid for to an outsider or performed by the contractor himself. When he is in competition he has that and all other items of overhead to compete with.

Then there are the items of overhead pertaining to the work itself that are overlooked. On rainy days or between jobs; certain good men have to be kept on the pay-roll. It may be only one man that is kept on steady time. That is an item of expense, the lost time, part of the overhead.

Equipment must be kept in repair; it depreciates and parts of it must be replaced from time to time. This item of depreciation is very insidious, it creeps up on one like a thief in the night, it works while we sleep. Today everything is all right; tomorrow something has gone wrong beyond repair and must be replaced immediately. This did not all occur at once but has been going on since the article was first bought. To prepare for this expense a certain proportion of

the cost of the equipment should be added to each job; in the overhead, to provide for its replacement.

There is auto equipment; gasoline, tires, repairs and depreciation. Possibly a driver in addition, for part time at least. In addition to these expenses there are always others of a miscellaneous nature that singly do not amount to much but collectively make quite an item.

Last, but not least, there is the contractor's salary. When a man goes into business for himself he invests two things, his time and his money. The return on the money invested comes in the form of Profit. The return on his time should come as Overhead just as the other expenses do. Were he not supervising the work himself he would be paying a man to do it. In that case he would be well aware of an item of expense there. Doing the work himself does not change the situation. The purchaser should pay for the service just the same. More so, in fact, because he is getting better service from the contractor himself than from an employee. Sometimes the argument is advanced that the business will not afford a salary for the proprietor. It is not necessary that the salary be withdrawn from the business, weekly or monthly, simply take it into consideration when determining the amount and per cent. of Overhead.

There are a great many contractors who recognize the fact that they have an overhead but when they figure a job they lump the overhead and profit together and their percentage of profit is usually not high enough to cover both. Such men have not analyzed their business sufficiently to determine what the overhead is, either in the amount or in proportion to the volume of their business. They merely guess or estimate the percentage to be added and too often this percentage is barely enough for overhead, leaving nothing for profit.

That is why so many contractors go along year after year getting nothing but a living. They make no more than if they were acting as superintendent for some one else. They are being paid for their time but nothing for the risk of the money they have invested. When they suffer a heavy unexpected loss they go broke because their previous profits have not been sufficient to put aside a surplus to take care of such a loss that comes to every business.

Overhead is just as much an item of cost as labor or material. One would not think of figuring the cost of the material in a job and adding the labor and profit in one percentage. It is just as unwise to do that with Overhead. First determine your labor and material costs as closely as possible; to these add a sufficient amount to cover the overhead, then to that total add the percentage to cover

a reasonable profit. By doing this you will know what the total cost of the job is and just how much you can afford to sacrifice, if necessary, without doing the work at a loss. In our next article we will go further into detail as to methods of determining and applying Overhead.—*Building Age and National Builder.*

WHY LANDSCAPE ARCHITECTURE IS ADVISABLE FOR THE REALTOR—BUILDER

Carl R. Frye, landscape architect of Columbus, Ohio, specializing in city planning and subdivision work, proves in many instances, in this interesting article, that his profession is of practical dollars and cents value to the realty developer.

Why should the realtor-builder go to the trouble and expense of consulting a landscape architect in the development of a new real estate project when the ultimate purchasers of the property will eventually surround their homes with shrubbery and trees of their own choosing?

This question was asked me recently by a more or less successful real estate operator whose developments have set a record for sales.

Before I could reply to him, he attempted to answer his own question somewhat in this fashion: "I can take the money that I would use to pay a high salaried landscape architect and use it to buy several ponies or other prizes to be given away in a contest that will attract people to my development, and in the end I will show more sales and a quicker turnover than the fellow who makes use of the landscaping artist."

This gentleman was sincere in his declaration and an examination of his achievements would doubtless show that he was correct in his hypothesis. There

is, no doubt, some value in a balloon ascension or some other form of ballyhoo in the sale of real estate—that is to say, *some real estate*. The type of purchaser who is attracted to a realty development because of a balloon ascension or a pony contest, however, is not the type of person who would expend good hard cash in making the exterior surroundings of his home more pleasant after he purchased it. He is the fellow who is always attempting to get something for nothing—the man who answers the patent medicine advertisements, buys fake oil stocks and rides to the automobile salon in a flivver in order to look over the high-priced cars.

Any realty development that is promoted through such sideshow methods is bound to be just a realty development and nothing more. There will be streets and houses, and streets and houses—nothing beautiful, nothing harmonious, nothing distinctive, and most certainly nothing to attract the purchaser who is tired of the humdrum and commonplace.

So, I might have answered my inquirer's question in this fashion: "If you desire to create a development that is the exact counterpart of 999 other developments that I can point out, use your money to promote pony contests and balloon ascensions. But if it be your purpose to create a residential district that is distinctive, although not necessarily expensive, which will be pointed out as a community of refinement giving your organization the reputation of creative ability rather than that of being an imitator, then the landscape architect should be made a permanent part of your organization. And, above all, if you desire to elevate yourselves above the competitive field of ordinary real estate development, then the proper use of trees and shrubbery is not only necessary but is also essential."

The successful real estate operator is the one who is most conversant with property valuations and their possibilities. It is one of the laws of economics that in order to avoid direct competition one must offer something for sale a little bit better than that of the other fellow. Thus, the first step in overcoming the proposition of competition is to establish a value above that offered by someone else.

Here is where the landscape architect should be consulted. Even before the property is purchased the expert should be asked to consider its practicability for the harmonious planting of flowers, vines and trees. Frequently he will be able to point out cheaper property offering better advantages. The average large scale builder in considering a site for a new development feels that he must have level ground. He visualizes drives and sidewalks, and rows of houses. Uneven land, many times is looked upon as an expensive grading project and unfit for a profitable venture. On the other hand, the landscape architect revels in terrain of this nature which is often to be acquired at a much lower price than the level ground.

For this type of development it is also necessary that a large block of lots, such as adjacent streets or lots facing each other on the same street be acquired. Property should be chosen in a district where there is no definite building line in order to allow for the various types of houses. Full protection must be had against the quick-witted opportunist who is able to realize the possibilities of the project at a glance and step in and buy adjacent property, thereby cashing in on your investment. It is essential that controllable property be acquired.

Co-operation of the building and landscape architects will result in the proper grouping of the houses in order that the

A. HUSKEY

PORTABLE

MEYER COSSOY

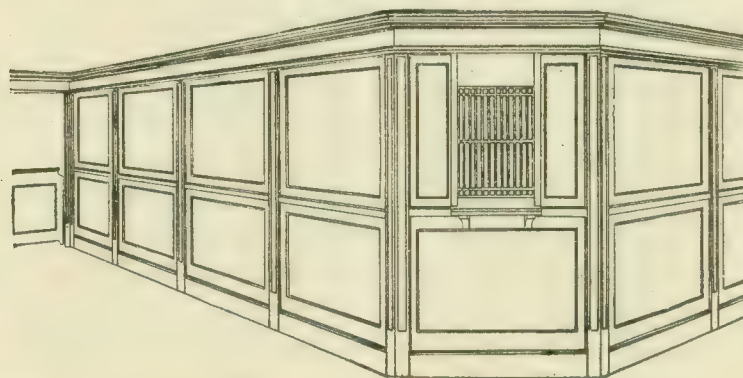
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE FIXTURES

FOR ALL KINDS
OF

STORES



CABINET WORK

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

ultimate owners may have the advantage of every inch of space on their properties.

Ground beautification plans can be drawn at the same time the house is being planned, thereby insuring a general scheme of expansive development of rear lawns.

Instead of the stilted row of conventional dwellings aligned like so many ranks of marching soldiers, there will be a community of unusual buildings properly surrounded by trees, shrubbery, gardens, walks and lanes that will be in full harmony with the general scheme as well as with the individual dwellings.

Special attention should be given to the location of the garage which is so essential to the modern home. It is often situated in a most inconvenient place and the unsightly approach usually mars the appearance of what could otherwise be made a beautiful garden in the scheme of development.

Hence with the proper placement of driveways and walks, thought is also given to the garage, so that each section is co-ordinated into one beautiful arrangement of harmony and distinction.

The modern idea of the unique has often resulted in many incongruous combinations of buildings and approaches. French type homes are many times approached by an English flag-stone walk, while an English cottage may be surrounded by some purely American fantasy.

One of the most recent developments in the combination of landscape and building architecture is the private veranda or summer porch in the rear of the house. Back yard privacy is a development for which Mr. Volstead can take credit, and it has been responsible more than anything else for the awakening of the home owner to the possibilities in the rear of his dwelling.

The landscape architect will lay out a grading plan before the work of excavation has begun. The chances are that many of the trees and shrubs can be saved by proper removal and care. Under expert supervision the work of excavation can be made to pay dividends by a careful separation of the top soil, which can later be used to advantage in the grading and landscaping. After construction is completed the architect may proceed with the ground plans in accordance with the original design and it can be readily seen that by calling in a landscape expert before the project is developed, the entire problem of adaptation, location and grouping of the houses can easily be solved at the outset.

Work on the ground development may be carried on during the construction period, and the landscape architect can build up a sales appeal for the grounds while the builder is constructing the at-

tractive dwellings. If the grounds are kept tidy during construction the new home will have as much appeal to the prospective buyer as when completed.

Grading then can be accomplished, walks laid and the drives finished. Such a program will more readily encourage a prospective buyer to inspect the property even before it is completed.

If the planting of shrubs and gardens does not harmonize with the general design of the house it will be an economic loss. Each plant should be able to give a reason for its location.

If it is deemed necessary a planting budget can be fixed by the builder. Then the landscape architect can advise as to the distribution of the expenditures under this budget. His interest is only to reduce the sales resistance on the property and not to reduce a surplus of some plant material in which he is overstocked. If the builder selects a landscape architect who has no allied interests such as nurseries, construction organizations and the like, he will be free to give impartial advice and work to the best interests of his employer.

The future of the large scale builder is dependent upon the quality and durability of his product. If his homes hold up, and if they prove to be worth every cent paid for them with increased value, his reputation is assured. However, they can see the exterior and if the plant selection was such that many died, the picture is more forlorn and unattractive than when the property was new, for it has not the advantage of newness that it had when first built. No builder could afford to take a prospect for a new home to such an unattractive spot.

The prospective home buyer of today usually pays considerable attention to the shrubbery garden.

Trees, shrubbery and flowers break sales resistance for the realty developer in 90 cases out of 100.

A home owner will keep up his interest in the grounds as long as plants grow and develop, but if shrubbery and flowers begin to fade and shrivel in a year or two, he loses interest. He may at first think it is his fault and that he is not properly caring for his gardens, but if he calls in a landscape expert for diagnosis and he finds that there is a lack of proper nourishment in the soil, he will not feel that he has received full value. He will find only that he has a further expenditure to make in addition to his interest payments. A complete replanting and fertilization of the grounds will be necessary.

The landscape architect has exceptional opportunities to develop immediate effects for the builder.

In the past few years the nursery business has progressed so rapidly that many

of them are now specializing. Up until a few years ago if the landscape architect wished to make use of some large sized trees, he was obliged to restrict his selection to a variety which might be indigenous to that section.

This sort of a tree growing wild is usually of a poor shape or has been damaged in some way. Today such nurseries as Amawalk Nursery at Amawalk, N. Y., offers specimen trees in any variety of either deciduous or evergreen specimens and are equipped to ship them any distance with perfect safety.

The landscape architect becomes more than an "expensive luxury" in the planning of a group of homes for the large-scale builder.

Landscape architects are far from being the long-haired dreamers who visualize only beautiful vistas and expensive sunken gardens.

The practical landscape expert is the man who can create a cultural refinement in a community in co-operation with a builder.

This is the sales psychology of the landscape architect and it is based solely upon an inherent trait of human nature. —*Building Age and National Builder.*

WASHINGTON, Oct. 10.—Construction operations, holding to the record-breaking habit acquired during the mid-summer weeks, last month reached the greatest volume ever registered for September of any year, according to statistics compiled by the Associated General Contractors of America. These statistics, based upon shipments of basic construction materials and including all types of construction, also show that only one other month—August of this year—ever rolled up a greater volume.

September's activities enabled the current year to retain the margin it held during recent months over the volume of work carried on during corresponding periods of 1926. The total for the first nine months of 1926 is four per cent. smaller than the total rolled up since the opening of the current year.

The volume of contracts awarded during August was smaller than the total registered for the same month last year, despite the fact that a small increase over the July figure was noted. The August decline was not sufficiently great to place 1927 behind 1926 in the volume of awards during the period covered by the first eight months of the year.

A scale which places the 1913 average at 100 as its basis shows the index number for September's volume of actual operations to be 236. Figures for preceding months are: January, 129; February, 121; March, 135; April, 165; May, 197; June, 212; July, 221, and August, 238.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Corp. 20th & Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Weisbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank Orna Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Weisbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.



1792 1927

"The Oldest
American
Fire and Marine
Insurance
Company"

BUILDERS' RISKS ARE MANY
but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

**Insurance Company of
North America**

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps a Canal Out of this Building

The concrete basement wall is also the canal wall. Water flows continually against the outside, but the inside of the wall is dry as a bone.

This concrete wall was waterproofed with "ANTI-HYDRO" fourteen years ago. Not a drop of moisture has ever penetrated through it during all these years.

"ANTI-HYDRO" waterproofs concrete *permanently* against any head of water. It also increases both the tensile and compressive strength of concrete and makes it extremely hard, all in *one operation*.

Being a liquid integral compound, "ANTI-HYDRO" is easy to use. It mixes readily with the gauging water without the aid of skilled labor.

For 23 years "ANTI-HYDRO" has been the accepted standard. Be sure to use it on your next job.



STOUTENDOUGH BUILDING, NEWARK, N. J.
FREDERICK PHELPS, ARCHT. - H. N. SHOEMAKER, ENGINEER - D. W. CONCRETE CO. BUILDERS

ANTI-HYDRO WATERPROOFING CO.
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO
MASONRY CONTRACTOR
BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.
TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 42
October 19, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING
For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

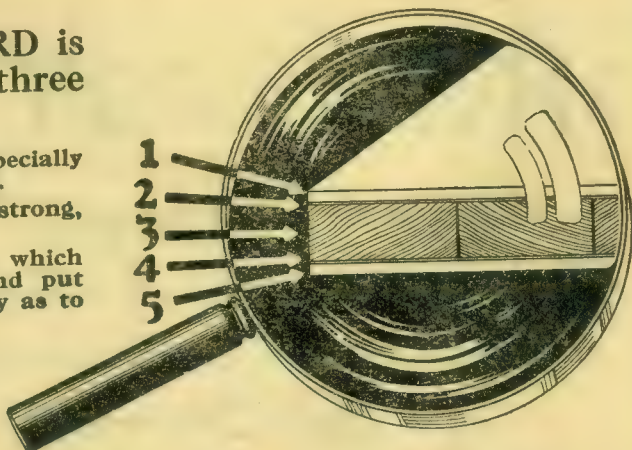
"P. G." Plaster of Paris

"Gyproc" Joint Filler

"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

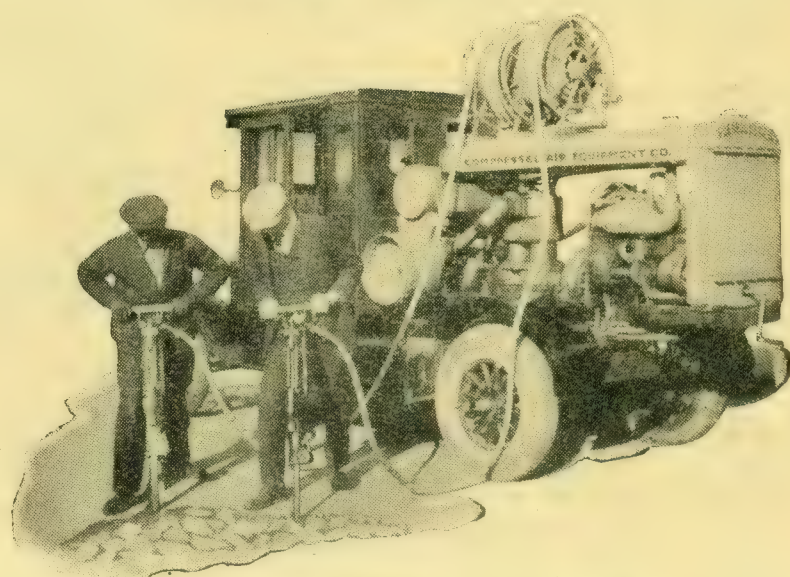
Delaware Ave. and Marlborough St.
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Regent 7120

Keystone-East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE
Electric Refrigeration

by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

**FABRICATED STEEL
IRON BARS**

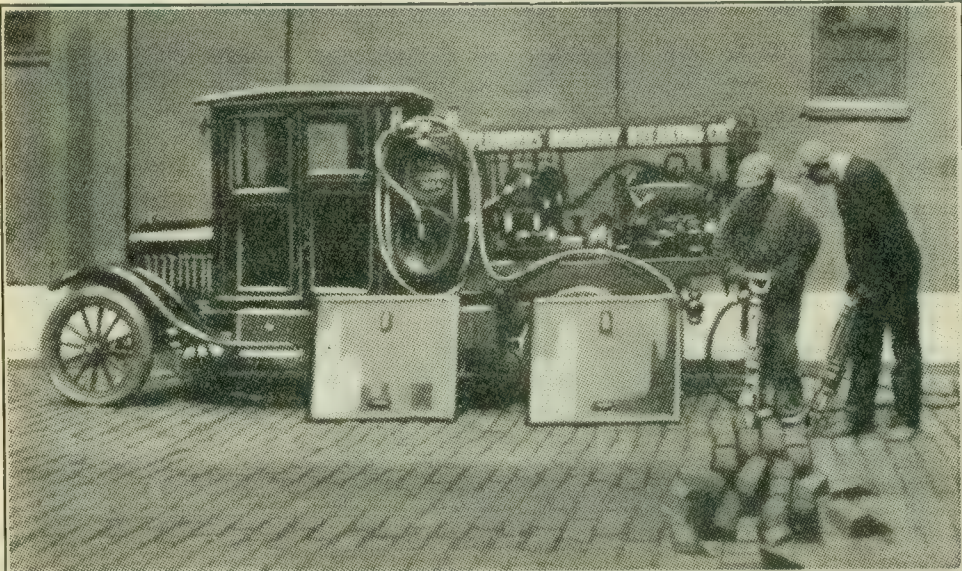
**RICHARD DeCOU CO.
Steel Warehouse**

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

Keystone:
Park 2579

Bell:
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



Storage and Service Garage
Sixteenth St. North of Lehigh Ave.
This Installation Includes Both Round and Square Top
Overhead Doors

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.
ILLUSTRATED CATALOGUE SENT ON REQUEST
Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

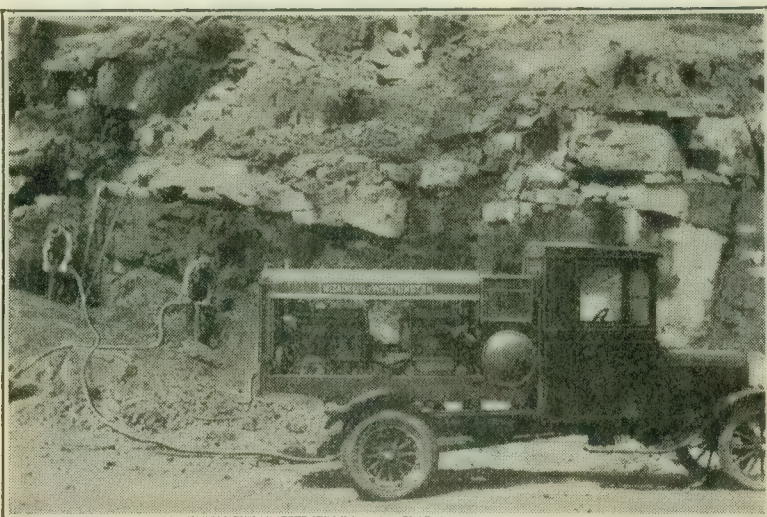
— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street
Regent 7450 Philadelphia, Pa. Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

— PROMPT SERVICE —

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 42

October 19, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Theatre and (8) Stores, Southeast Corner Germantown and Hunting Park avenues. Architect Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, McKeene & Miller, 3312 I street, Philadelphia. Brick, steel, concrete and terra cotta. Plans in progress.

Elementary School, Shawmont and Bean streets. **Orthopedic School**, Allegheny and L street. **Childs School (wing add.)**, Seventeenth and Tasker streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Plans in progress.

Fire House, Logan, Philadelphia, \$150,000. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Safety, Bureau of City Property, City Hall, Philadelphia. Site to be selected in a few days. Work contemplated.

Cold Storage Plant, Delaware and Oregon avenues, Philadelphia, \$500,000. Architect, William Cookman, Fifteenth and Market streets, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Pennsylvania Railroad Co., Broad Street Station, Philadelphia. Brick, concrete, steel, 8 stories and basement, 100x600 feet. Preliminary plans in progress.

Office Building, Southeast Corner Sixteenth and Walnut streets, Philadelphia. Architects, Samuel M. Green and A. H. Lavella, Springfield, Mass. Owners, Maxwell Building Corporation, C. J. Maxwell, 1528 Walnut street, Philadelphia. Brick, steel, 21 stories and

basement, 95x136 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Plans in progress.

Hospital Building, Conshohocken and Windemere road, Philadelphia. Architect, R. C. Bencker, Bellevue Court Building, Philadelphia. Owners, Philadelphia Heart Association, 311 South Juniper street, Philadelphia. Reinforced concrete, brick, 2 stories and basement, 76x88 feet. Plans in progress. Ready for bids in one month.

Factory, Indiana and Ridge avenues, Philadelphia. Architect, R. M. Dippy, Medical Arts Building, Philadelphia. Owner, J. B. Hazlett, 2442 South Broad street, Philadelphia. Reinforced concrete, 2 stories, 56x187 feet, slag roof, plumbing, reinforced concrete, steam heat. Ready for bids in one week.

Church (alts.), Fifth street above Cumberland street, Philadelphia. Architect, Edward Schoeppe, 1437 Spruce street, Philadelphia. Owners, Church of the Advent, on premises. Plans in progress. Ready for bids in a few days.

Store and Apartment, Torresdale and Knorr street, Philadelphia. Architect, J. Warren Neff, 2002 North Sixty-first street, Philadelphia. Owner, E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia. Brick, 2 stories. Plans in progress. Owner will build.

Stations, finish Contract No. 183, Broad Street Subway, Philadelphia. Architect, private plans. Owners, Department of City Transit, City of Philadelphia. Bond, granite

coping, copper-covered doors, grills and louvers, tile work, concrete and masonry, painting, cement plastering, brick work, hollow tile, metal lath, granolithic finish. Owners taking bids due October 27th.

Factory, 23 East Price street, Philadelphia. Architect, Robert Gill, 5600 Germantown avenue, Philadelphia. Owner, Andrew Blum, 25 East Price street, Philadelphia. Brick, 1 story, 40x50 feet (plumbing, heating, electric reserved), pine floors, steel sash, iron work. Architect taking bids due October 24th.

Apartment House, Northwest Corner Thirtieth and Chancellor streets, Philadelphia. Architect, David Supowitz, 929 Chestnut street, Philadelphia. Owners, H. T. White & Co., 126 South Eleventh street, Philadelphia. Brick, cast stone, steel, 4 stories and basement, 27x90 feet. Architect taking bids due October 27th.

Chapel Wing, City Line and Haverford avenue, Philadelphia. Architect, P. A. Monahan, 1520 Locust street, Philadelphia. Owners, Sacred Heart Academy, on premises. Architect taking bids due October 21st.

Factory, Pennsylvania Railroad, Bridge street, Tulip and Aramingo streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, J. Warren Watson Co., on premises. Brick, reinforced concrete, cut stone, steel, 1 story, slag roof, cement floors, metal lath, marble work, rolled steel sash, iron work (plumbing, heating, electric reserved). Architects taking bids due October 20th.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

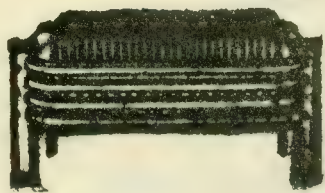
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



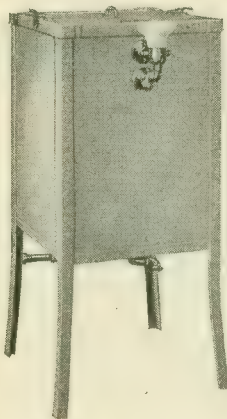
FOR

**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

FLECK BROS. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:
LANSLOWNE, PA. CAMDEN, N. J.

Office Model

Other models for clubs,
factories, restaurants
and hotels

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices

1823 BRANDYWINE STREET

PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Stores (5), Apartments, Frankford and St. Vincent street, Tacony. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Isaac Kamens, care of Kamen's Quality Meats, 4941 North Broad street. Brick, steel, 2 stories and basement, 55x72 feet, slag roof, oak, pine and cement floors, steam heat, electric light, metal lath, tile. Owner taking sub-bids.

Apartment House, near Stenton Station, Reading Railroad, Philadelphia. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owners, Stenton Apartments Co., care of architect. Brick, 4 stories, 19 apartments. Architect taking sub-bids.

Contract No. 192, (paving), Broad street, Tabor to Grange street. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due October 24th at noon. Deposit, \$10, refunded. Certified check, 5 per cent.

Contract No. 150, Broad Street Subway, Philadelphia. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Electric switching equipment, etc. Low bidders: W. V. Pangborne, 1927 West Montgomery avenue, Philadelphia, \$160,993.

Residences (2), 924-26 Oakmont street, Philadelphia, \$4,500 each. Architect, private plans. Owner, John Betz, 6915 Rising Sun avenue, Philadelphia. Brick, 2 stories, 19 feet 6 inches x 46 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, North side Grand avenue, West of Hoff street, Philadelphia, \$4,500. Architect, private plans. Owner, Thomas C. Copeland, 1839 Murray street, Philadelphia. Frame, 2 stories, 24x24 feet, hardwood and pine floors, hot air heat, electric light. Permit issued.

Residences (34), 4609-11 and 4608-38 Kraydor street, Philadelphia, \$115,600. Architect, private plans. Owner, John S. Hinkle, Sr., 604 Lincoln Building, Philadelphia. Brick, 2 stories, 16x30 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence (add. and alts.), 1411 Hunting Park avenue, Philadelphia, \$2,000. Architect, private plans. Owner, A. J. Mellon, 6744 York road, Philadelphia. Brick, 1 story add., 16x7 feet, general alterations. Permit issued.

Residences (8), 3400-14 Penn street, Philadelphia, \$34,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x33 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage (add.), 231 South Warnock street, Philadelphia, \$18,000. Architect, private plans. Owner, W. A. Mundy, 231 South War-

nock street, Philadelphia. Steel and brick, 2 stories add., 45x80 feet, slag roof, cement floors. Permit issued.

Residence and Garage, Southwest Corner Orchard Lane and Cresson street, \$8,500. Architect, private plans. Owners, Cresmont Farms Improvement Co., Torresdale, Pa. Frame, 2 stories, 22x54 feet, garage, 1 story, 20x20 feet, hardwood, pine and cement floors, hot water heat, electric light. Permit issued.

Residences (2), West side Tabor road, North of Shelmire street, Philadelphia, \$8,000. Architect, private plans. Owners, Louis Leitenberger Sons, 1905 Cottman street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Highways, 216 City Hall. A. ma street, Vankirk to Comly street, Philadelphia, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$4,888.70. Frontenac street, Sanger to Carver street, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$3,271.86. L street, Torresdale avenue to Hunting Park avenue, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$28,412.02. Loretta street, Comly to Devereaux, Mack Paving Co., Nicetown and C street, Philadelphia, \$16,926.51. Miller street, Venango to Pickwick street, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$4,693.82. Tulip street, Sanger to Forest street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$6,088.20. Tulip, Kennedy to Sanger street, Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$10,154.20. Rhawn street, Frankford to Rowland, Municipal Paving Co., Second and Wingohocking streets, \$25,755.59. Van Dyke, Benner to Devereaux, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$4,919.78. Sixty-sixth avenue, Fifteenth to Old York road, Union Paving Co., Thirtieth and Locust streets, \$7,459.40. Moore street, Eighteenth to Twenty-second, Barber Asphalt Co., 1600 Arch street, Philadelphia, \$20,966.35. Belmont avenue, Lancaster to Parkside, Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$43,884.60. Melon street, Thirtieth to Ridge avenue, C. G. Centrone, Bailey Building, Philadelphia, \$5,214.75. Fourth street, Washington to Catherine street, Aechione Contracting Co., 755 South Warnock street, \$16,035.08. Seville street, Ridge to Houghton, M. Y. Neely, Bustleton, Pa., \$4,075.50.

Bakery Building, 57th and Greenway avenue, Phila. Architect, private plans. Owner,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

FOR QUICK DISPOSAL

We offer subject to prior sale limited number of used

DETAIL DRAWING BOARDS AND TRESTLES

at half original prices

Sizes 37 x 54 ins. to 42 x 72 ins.

Transits and Levels Rented, Bought, Sold and Exchanged
All Makes Repaired - Satisfaction Guaranteed

J. H. WEIL & COMPANY 1317 Cherry Street, Philadelphia
Established 30 years

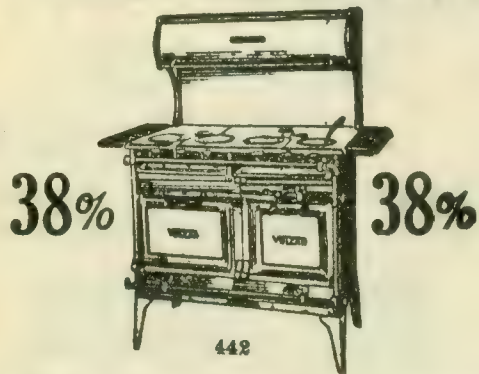
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

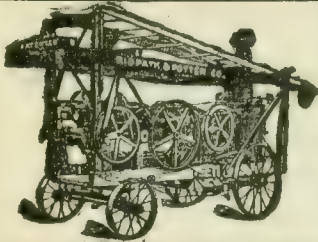
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

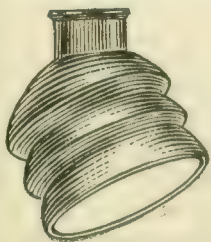
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Better-Kake Co., care E. C. Stanley, 1034 S. 57th street, Phila. Brick, steel, 1 story, 50x225 feet, slag roof, cement and pine floors (plumbing, heating, electric, reserved), rolled steel sash. Owner taking bids.

Alterations and Additions, 1623 Walnut street. Architect, S. A. Love, Jr., Juniper and Walnut streets, Philadelphia, Pa. Owner, Mr. Frederick J. Shoyer, Commercial Trust Building, Phila. Shoring, brickwork, hollow tile, cut stone, concrete and cement work, plastering, art. limestone, tile work, structural steel, iron work, kalamein doors, bronze work, carpentry, millwork, painting, glazing, electric work, steamheat,

plumbing and fixtures. Architect taking bids due Oct. 20th.

Opera House, Central Philadelphia. Owner, Grand Opera Co., Mrs. W. C. Hammer 902 N. 41st street, Phila. S. Barker, Chairman, Bankers Trust Building, Phila. Site not selected. Work contemplated.

Residence (Int. alts.), 1019 Melrose avenue, Phila. Architect, E. L. Rothschild, Bankers Trust Building, Phila. Owner, Leonard B. Geis, on premises. General interior alterations, steam heat, electric light, tile, marble work, painting, glazing, watherstrip, screens. Architect taking sub-bids due as soon as possible.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Gate House, Elmwood Avenue, E. of 70th street, Phila., \$12,000. Architects, Harris & Richards, Drexel Building, Phila. Owners, General Electric Co., 68th and Elmwood avenue, Phila. Brick, 1 story, 26x25 feet, cement floors, metal lath, metal sash. Contract awarded U. G. I. Const. Co., Broad and Arch streets, Phila.

Residences (2), Ardleigh street, S. of Springfield avenue, Phila., \$13,000. Architect, private plans. Owners, Rossa & Damico, 7900 Germantown avenue, Phila. Brick, 2 stories, 16x43 feet, hardwood and pine floors, electric work. Contract awarded to Braun Brothers, 113 E. Mermaid Lane, Phila.

Parish House, Rising Sun and Church lane, Fox Chase, Pa. Architect, Arnold H. Moses, Camden, N. J. Owners, Trinity Church of Oxford, on premises. Brick, limestone, cut stone, 2½ stories and 1 story and basement, 42x74 feet, 73x39 feet, built-up and slate roof, composition and cement and maple floors, plumbing, waterproofing, ornamental iron work, alberne work, cork tile floors, metal toilet partitions, bond, fire doors, rolled steel sash and skylights, metal lath, electric light, steam heat. Contract awarded H. H. Wehmeyer, 509 West Cumberland street, Philadelphia.

Garage and Service Station (add. and alts.), 4726 North Broad street. Architects, E. V. Barthmaier, 1518 Walnut street, Philadelphia, and C. W. Gilmore, Guarantee Trust Building, Atlantic City, N. J. Owner, Charles Harper Davis, Davis-Buick Co., 316 West Cheltenham avenue, Philadelphia. Tile and

marble, metal lath, plastering, carpentry, mill work, slag roof, painting, glazing, structural steel, iron work, brick, 1 story add., 58x90 feet. Contract awarded Stofflet & Tillotson, Wesley Building, Philadelphia.

Apartment House, Camac and Rockland streets, Philadelphia. Architect, Albert Dobbins, 1718 Cherry street, Philadelphia. Owner, Frank Hutt, care of architect. Brick, steel, 3 stories and basement, 34x75 feet, slag roof, oak and pine floors, cement floors, metal lath, tile work, bond, ornamental iron work. Contract awarded N. H. Rochelle, 5726 North Marshall street, Philadelphia.

Club House (int. alts.), Fox Chase, Pa. Architect, C. H. Fries, Frankford and Oxford avenues, Philadelphia. Owners, Northeast Shrine Club, Hunting Park and Fillmore street. General interior alterations, mill work, electric work, hot water heat, plumbing, hardwood floors, plastering. Contract awarded Chancellor Day, 2644 Rhawn street, Philadelphia.

Apartment House (alts.), 4433 Baltimore avenue, Philadelphia, \$3,300. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, Sarah E. Ennis, care of Joseph Scutti, 1015 Chestnut street, Philadelphia. Brick work, cement work, carpentry, mill work, plastering, hot water heat, painting, glazing, iron work, plumbiog. Contract awarded G. Alterman, 5400 B street, Philadelphia.

Shop and Offices (alts. and add.), Schuylkill and Catherine street, Philadelphia. Owners, Yellow Cab Co., Philadelphia Rapid Transit Co., Eighth and Dauphin streets, Philadel-

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, &C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

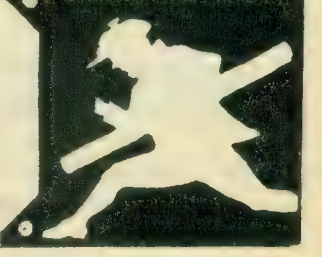
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



phia. Brick work, concrete and cement, steam heat, electric, carpentry, mill work, steel and iron work, metal lath, metal partitions, area gratings, safety treads, plumbing, slag roof, steel sash. Contract awarded H. E. Baton, 1713 Sansom street, Philadelphia.

Garage, Prospect avenue, Chestnut Hill, Pa. Architects, Willing, Sims & Talbutt, 126 South Eighteenth street, Philadelphia. Owner, Charles B. Platt, Chestnut Hill, Pa. Stone, 1 story, 20x20 feet, slate roof, cement floors, hot water heat. Contract awarded G. S. Roth & Son, 230 East Graver's lane, Philadelphia.

Stores (alts.), 4901-05 York road, Philadelphia, \$2,500. Architect, private plans. Owners, Dando Brothers, on premises. General alterations. Contract awarded to Paul Brosz, 2511 Hunting Park avenue, Philadelphia.

Residence (alts.), 5219 Pine street, Philadelphia, \$4,000. Architect, private plans. Owner, William B. Lewis, on premises. General alterations. Contract awarded Smith-Hardican Co., 1809 Callowhill street.

Residence (add. and alts.), 417 North Olney avenue, Philadelphia, \$2,100. Architect, private plans. Owner, Hannah Koehler, 5718 North Second street, Philadelphia. Brick, 1 story add., 16x8 feet, general alterations. Contract awarded to D. Slaybaugh, care of Colonial Theatre, 5526 Germantown avenue, Philadelphia.

Hospital (add.), South side Spruce street, West of Thirty-fourth street, Philadelphia, \$2,000. Owners, University Hospital, on premises. Brick, 1 story, 12x21 feet. Contract awarded Leroy K. Smith, 4007 Chester avenue, Philadelphia.

Residence and Store (add. and alts.), 1902 South Seventh street, Philadelphia, \$5,000. Architect, private plans. Owner, I. Segal, 5248 Berks street, Philadelphia. Brick, 1 story add., 5x12 feet, general alterations. Contract awarded to Abe Barsky, 4082 East Roosevelt Boulevard, Philadelphia.

Laundry (add.), 5411 North Water street, Philadelphia, \$4,200. Architect, private plans. Owners, Suburban Laundry, 5411 North Water street, Philadelphia. Brick, 2 stories, 12x24 feet. Contract awarded W. L. Bushnell, 2145 East Fifth street, Philadelphia.

Forge Shop (repairs), South side Luzerne street, East of Third street, \$3,225. Architect, private plans. Owners, Schuylkill Forge Co., Third and Luzerne streets, Philadelphia. General repairs. Contract awarded Arch. Steel Eng. Co., 1518 North Thirteenth street.

Store (alts.), 5318 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Peron's, 5207 Market street, Philadelphia. General alterations. Contract awarded Frank C. Stockholm, 120 North Camac street, Philadelphia.

Garage, 3369 East Thompson street, Philadelphia, \$2,000. Architect, private plans. Owner, Mary Kimesha, 3367 East Thompson street, Philadelphia. Brick, 1 story, 48x17 feet, slag roof, cement floors. Contract awarded to Antoni Szymanski, 2607 East Madison street.

Residences (52), North and South sides Rosemar and East Mascher streets, \$182,000. Architect, private plans. Owner, John C. Waxler, 1145 Harrison Building, Philadelphia. Brick, 2 stories, 15x26 feet, slag roof, pine floors, hot water heat, electric light. Con-

tract awarded Rosemar Const. Co., Harrison Building, Philadelphia.

Residence, East side Smithfield street, South of Overhill street, \$7,500. Architect, private plans. Owner, John A. Koltas, 4837 A street, Philadelphia. Stone, frame, 2 stories, 38x26 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded to Edward J. Michines, Somerton, Pa.

Residence, Southeast Corner Jackson and Millett streets, Philadelphia, \$5,500. Architect, private plans. Owner, Patrick McGinnis, Welsh road, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to Joseph McDevitt, 1061 Pratt street, Philadelphia.

Restaurant (add.), 6137 Woodland avenue, Philadelphia, \$2,500. Architect, private plans. Owners, Linton Co., on premises. Brick, 1 story, 12x31 feet. Contract awarded Katz & Kleiman, 5038 North Hutchinson street.

Residence and Store (alts.), Southeast Corner Twentieth and Wharton streets, Philadelphia, \$2,000. Owner, Peter Bradley, 569 North Twentieth street, Philadelphia. General alterations. Contract awarded to John J. Gaffney, 5532 North Third street, Philadelphia.

Pennsylvania Construction News

Apartment House, Bryn Mawr, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, Frank B. Thompson, Bryn Mawr, Pa. Preliminary plans in progress.

Garage Building, Oakmont, Pa. Architects, Folsom, Stanton and Graham, 10 South Eighteenth street, Philadelphia. Owner, H. J. Rittenhouse, Ardmore, Pa. Brick, stone, 1 story. Plans in progress.

Engineering Laboratory, Haverford, Pa., \$100,000. Architects, Mellor, Meigs & Howe, 205 South Juniper street, Philadelphia. Owners, Haverford College, Dr. W. W. Comfort, Haverford, Pa. Stone, 3 stories. Plans in progress.

Tuberculosis Male Ward, Norristown, Pa., \$200,000. Architect, W. W. Hubbett, Penfield Building, Philadelphia. Owners, Norristown State Hospital, G. Wright, Norristown, Pa. Brick, 2 and 1 stories, 90 beds. Plans in progress.

Garage and Servants' Quarters, Huntingdon Valley, Pa. Architects, Tilden, Register and Pepper, 1520 Locust street, Philadelphia. Owners, Huntingdon Valley Country Club,

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings

810-12 Noble Street Philadelphia

Main 3446

Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia

Bell Phones—Pennypacker 4161, 4162, 4163

Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



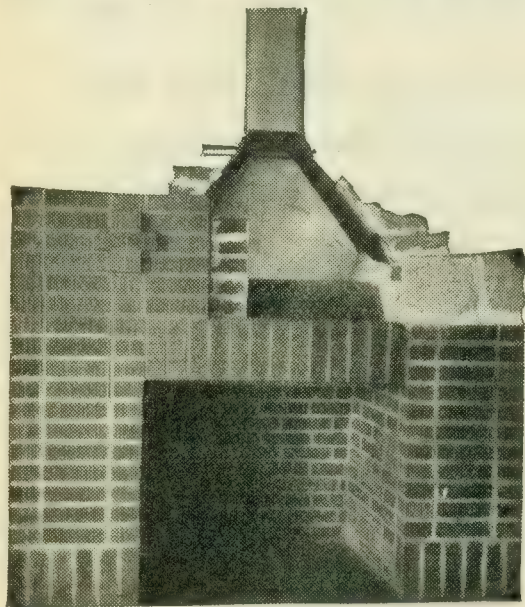
Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

THERE IS ONLY ONE IN-A-
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

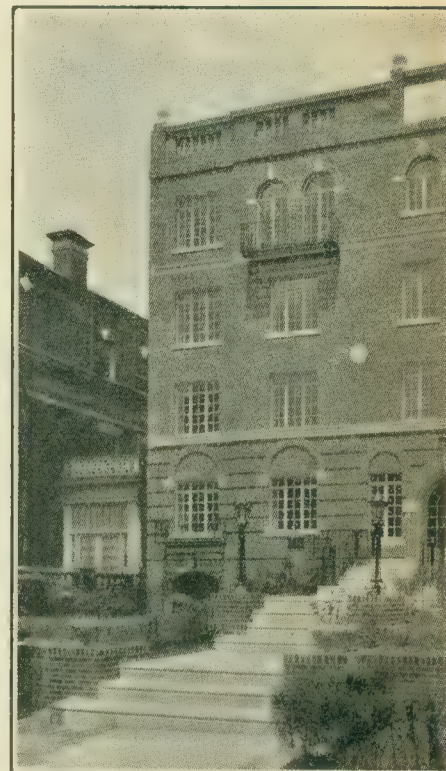
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

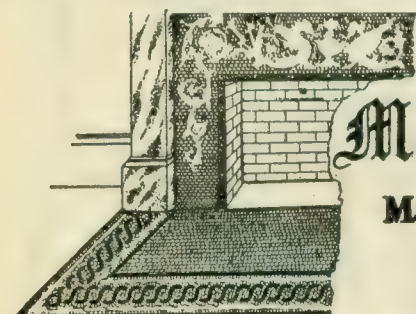
For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature.



BUILD WITH ST. MARTINS BUILDING STONE "Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegra
of Truscon STONETEX.

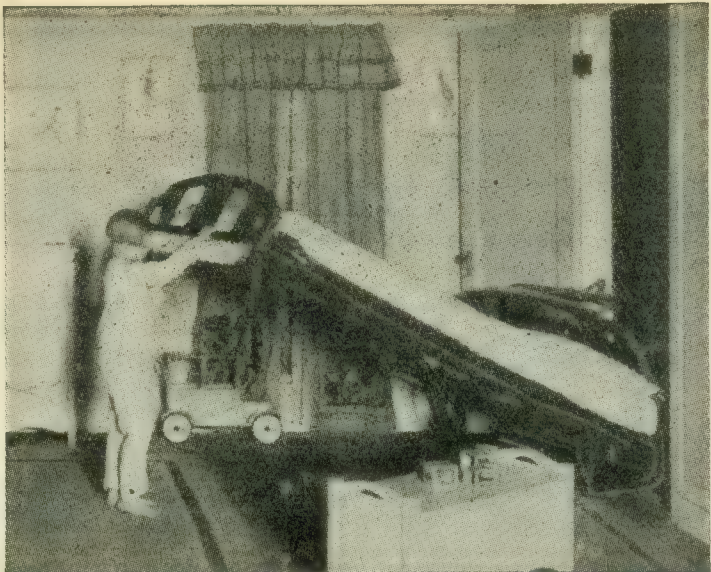
STONETEX is the masonry coating. Not on
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex loc

BEDS

omes
rings

call at our
ain kitchen
g boards as
Beds

D CO.
ey Building
44th Street
w York
R BED



A child can operate the bed

omfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

cks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application

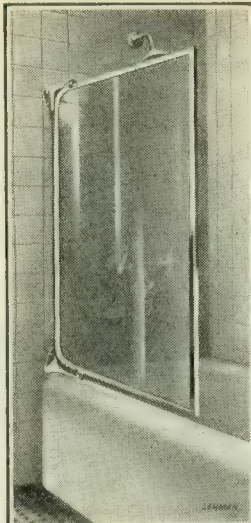
es it prevent moisture
lso covers the surface
es flat. It does not
e masonry.



The Truscon
Laboratories
1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.
If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.
Office, 435 Green St. Factory, 432 Wallace St.
BELL—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer
121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK
AND
LUMBER

The GILLINGHAM CO.
NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

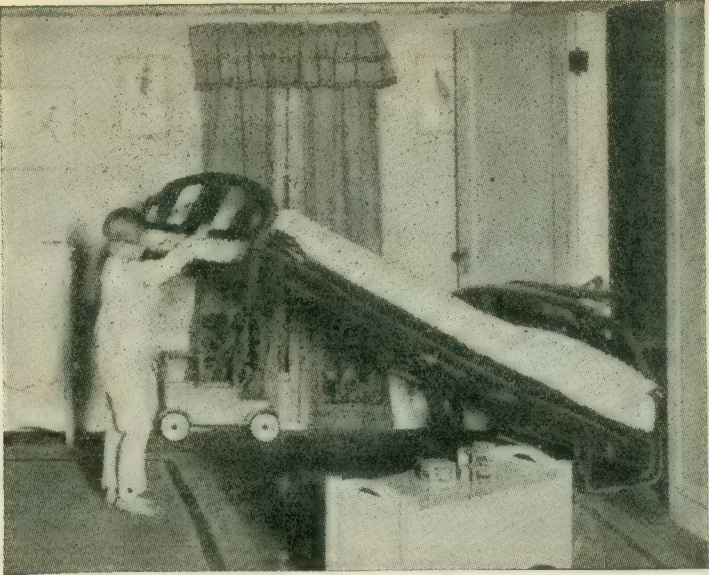
East 7975 Kensington 2343

BEDS

omes
rings

call at our
ain kitchen
g boards as
Beds

D CO.
ey Building
44th Street
w York
R BED



A child can operate the bed

omfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

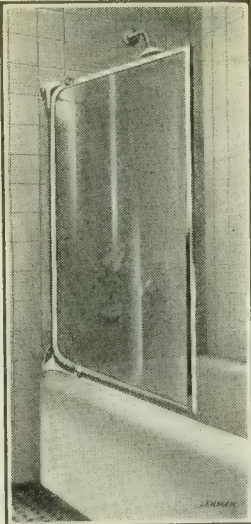
cks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application

es it prevent moisture
lso covers the surface
es flat. It does not
e masonry.



The Truscon
Laboratories
1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510
WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.
If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Owners, Central Poor District, Retreat, Pa. Brick, steel, concrete, 1 and 2 stories, 97x42 feet, asphalt roof, concrete floors (heating, plumbing, electric, separate), steel sash, laundry equipment, floor hardener. Contract awarded to Nanticoke Const. Co., Nanticoke, Pa.

Residence and Garage, Kingston, Pa. Architects, Knapp & Bosworth, Town Hall Building, Wilkes-Barre, Pa. Owner, W. H. Trethaway, care of architects. Face brick, steel, 3 stories and basement, 31x50 feet, slate roof, hardwood and concrete floors, vapor heat, electric light, tile and marble, art glass, casement windows, ornamental iron work. Contract awarded J. W. Thomas, Wilkes-Barre, Pa.

Buildings, Cressona, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, reinforced concrete, steel, Barrett specification roof, cement and asphalt floors, plumbing, dampproofing, rolled steel sash, hollow metal doors, bond, ornamental iron work, iron pipe, metal lockers, engine house, 1 story, 115x167 feet, Leanto locker and toilet rooms, 1 story, 37x100 feet, turn table pit, 2 valve pits, 2 inspection pits, foundations for steel water tank, storehouse alterations. Contract awarded I. S. Grindrod, 10 South Eighteenth street, Philadelphia. Turn table, American Bridge Co., Widener Building, Philadelphia. Water tank, Chicago Building & Iron Work, Chicago, Ill.

Residence (alts. and add.), Penlynn, Pa. Architects, Willing, Sims and Talbutt, 126 South Eighteenth street, Philadelphia. Owner, John H. Ingersoll, Penlynn, Pa. Hollow tile, stucco, foame, stone, cut stone, 2½ stories and basement, 40x20 feet, 32x20 feet, shingle roof, cement floors, oak, pine floors, roof ventilators, flagstone, ornamental iron work, limestone, linoleum, metal lath, tile and marble work, bond, iron work. Contract awarded W. D. Lukens, North Wales, Pa.

Residence (alts.), Newtown Square, Pa. Architects, Tilden, Register and Pepper, 1520 Locust street, Philadelphia. Owner, Dr. Alfred Stengel, Newtown Square, Pa. Cinder block, stucco, 2½ stories and basement, hot water heat, electric light, metal lath, tile work, plumbing, shingle roof, carpentry and hill work, plastering, painting, glazing. Contract awarded Townsend, Schroeder & Wood, Drexel Building, Philadelphia.

Nurses' Home (add. and alts.), Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Sacred Heart Hospital, 421 Chew street, Allentown, Pa. Brick, steel, concrete, 4 stories, 38x108 feet, built-up roof, concrete floors, hollow tile, elevators, safety treads, metal lath, tile, marble, terrazzo, steel sash, ka'mein doors, waterproofing and dampproofing, stone trim. Contract awarded Ochs Const. Co., 440 Wire street, Allentown, Pa.

Garage and Show Room, Allentown, Pa. Architects, Jacoby & Everett, Commonwealth Building, Allentown, Pa. Owners, Klein Motor Co., 12 North Eleventh street, Allentown, Pa. Brick, steel, 2 stories, 86x128 feet, slag roof, concrete and tile floors, hollow tile, elevators, roof ventilators, tile, ornamental iron,

waterproofing, fire doors, steel sash. Contract awarded to Butz & Clader, 519 Hamilton street, Allentown, Pa.

School, Penn avenue, Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, St. Paul's Roman Catholic Church, Rev. J. V. Hussie, 1510 Penn avenue, Scranton, Pa. Brick, cinder block, 3 stories, 93x137 feet, Barrett roof, composition roof, safety treads, roof ventilators, damp-proofing, waterproofing, skylights (heating, plumbing and electric separate. Contract awarded Central Const. Co., Harrisburg, Pa.

Bank, Simpson, Pa. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Simpson State Bank, Mr. Norton, Simpson, Pa. Stone, 1 story, 36x60 feet, slate roof, linoleum, marble floors, metal window guards, bronze, casement windows, ornamental iron, steel skylights, tile and marble, steam heat, electric. Contract awarded to William Perry, 314 Oakford Court, Scranton, Pa.

Hospital and Boiler House, Kingston, Pa. Architects, McCormick & French, Second National Bank Building, Wilkes-Barre, Pa. Owners, Nesbitt West Side Hospital, Dr. A. W. Grover, 293 North Maple street, Kingston, Pa. Brick, 3 stories, tile and marble, marble and cork floors, metal lath, steam heat, electric light. Contract awarded to John Curtis & Co., Hill and Hickory streets, Wilkes-Barre, Pa.

School, Mill Creek, Bucks County, Pa. Architect, A. Oscar Martin, Doylestown, Pa. Owners, School Board of Wallington Township, Pa. Contract awarded D. D. Nye, Doylestown, Pa., \$12,364. Bids on mechanical equipment will be taken in a month.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Delaware County, R-420, A-4943, Upper Darby and Darby Townships, Clifton Heights, Aldan, Folcroft, Collingdale and Glenolden Boroughs. One course reinforced concrete. Contract awarded William Eisenberg, Smith-Austermuhl Building, Camden, N. J., \$135,753.16.

Indiana County, R-67, Sec. 1, White and Armstrong Townships. One course reinforced concrete. Contract awarded M. Bennett & Sons, Indiana, Pa., \$256,857.45.

Eighth Street Relief Sewer, Chester, Pa. Engineer, Robert C. Wheeler, Albany, N. Y. Owners, City of Chester, Bureau of Highways, Chester, Pa. Contract awarded Pennsylvania Paving Co., Chester, Pa., \$50,489.54.

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

**Get our Estimate when
Planning to Build
Especially in New Jersey**

WM. C. MAGEE

*Contractor and
Builder*

315 Cattell Avenue

West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

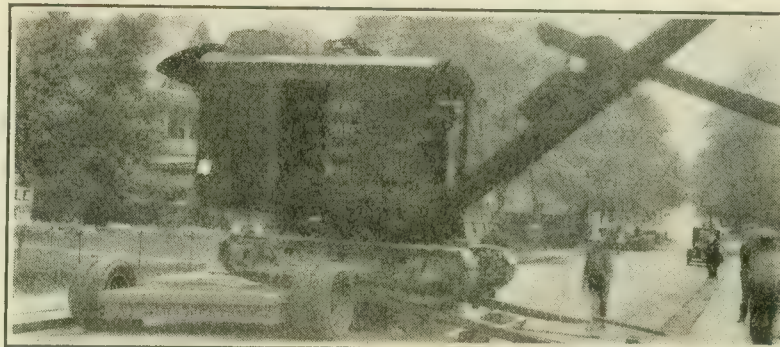
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

**BELL PHONE
CAMDEN 5686 R**

HEAVY TRAILERS FOR HIRE



**Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.**

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

**GENERAL
CONTRACTING CO.**

**68th Street and Greenway Avenue
Woodland 8862**

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

New Jersey Construction News

Stores and Apartments (10), Arkansas avenue and Boardwalk, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Assoc. Realtors Corp., Arkansas avenue and Boardwalk, Atlantic City, N. J. Brick, 2 stories. Plans in progress.

Stores (alts.), Delaware and Atlantic avenues, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic

City, N. J. Owner, John A. Majane, 33 North Arkansas avenue, Atlantic City, N. J. Plate glass, copper, tile, marble, general alterations. Plans in progress.

Store and Residence (alts.), Atlantic avenue, Atlantic City, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Vienna Delicatessen Co., 1328 Atlantic avenue, Atlantic City, N. J. Fireproof, 2 stories, 50x50 feet, slag roof, cement floors, steel sash, general alterations, hollow tile. Plans in progress.

School, Troy avenue, Ventnor City, N. J. Architect, H. E. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education, Troy avenue, Ventnor, N. J. Fireproof, 3 stories, 212x178 feet, slag roof, hardwood floors, hollow tile, safety treads, roof ventilators, steel sash and skylights, metal lath (heating, plumbing and electric separate). Owners will be ready for bids in one week.

Residence, Margate City, N. J. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Architect taking sub-bids.

Dining Room (alts.), Atlantic City, N. J. Architect, W. H. Flanagan, 728 Lancaster avenue, Bryn Mawr, Pa. Owners, Hotel Dennis, W. J. Buzby, Atlantic City, N. J. Reinforced concrete, brick work, cut stone, iron work, carpentry and mill work, sheet metal work, plastering, electric work, painting, glazing, hollow tile floor furnishing, slag roof, waterproofing (heating, plumbing, decorating reserved). Architect taking bids due as soon as possible.

Grade School, Waterford Township, Camden County, N. J. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, Waterford Township School Board, Charles Waffsmith, Clerk, Waterford Works, N. J. Brick, 2 stories, 57x76 feet, slag or wood floors, maple or concrete block floors, hollow tile, safety treads, roof ventilators, dampproofing, kalamein doors (heating, plumbing, electric separate). Owners taking bids due October 20th.

Nurses' Home (add.), Lakeland, N. J. Associate architects, A. H. Moses and W. Mayo, Temple Building, Camden, N. J. Owners, Board of Chosen Freeholders, Tuberculosis Hospital, William P. Cotter, City Hall, Camden, N. J. Brick, 2½ stories, 38x77 feet, slate roof, maple floors, tile, marble and terrazzo, roof ventilators, iron stairs, kalamein doors. Low bidders: Charles S. Moses, Edgewater Park, N. J., \$37,174. Heating, Samuel W. Peters, Woodbury, N. J., \$2,885. Plumbing, Samuel W. Peters, Woodbury, N. J., \$3,410. Electric, R. E. McMahon, Woodbury, N. J., \$1,105.

Miscellaneous Work, Oaklyn, N. J. Architects, Carter, Edgar & Witter, Inc., 428 Market street, Camden, N. J. Owners taking bids due October 20th, 8 P. M. Certified check, 10 per cent. Deposit, \$20, refund \$5. Approximately 65,000 square yards concrete street pavement, 25,000 cubic yards grading, 5,000 lineal feet combination curb and gutter, 400 lineal feet radius curbs, two No. 3 city inlets, 2,500 square feet sidewalks.

New Jersey Contracts Awarded

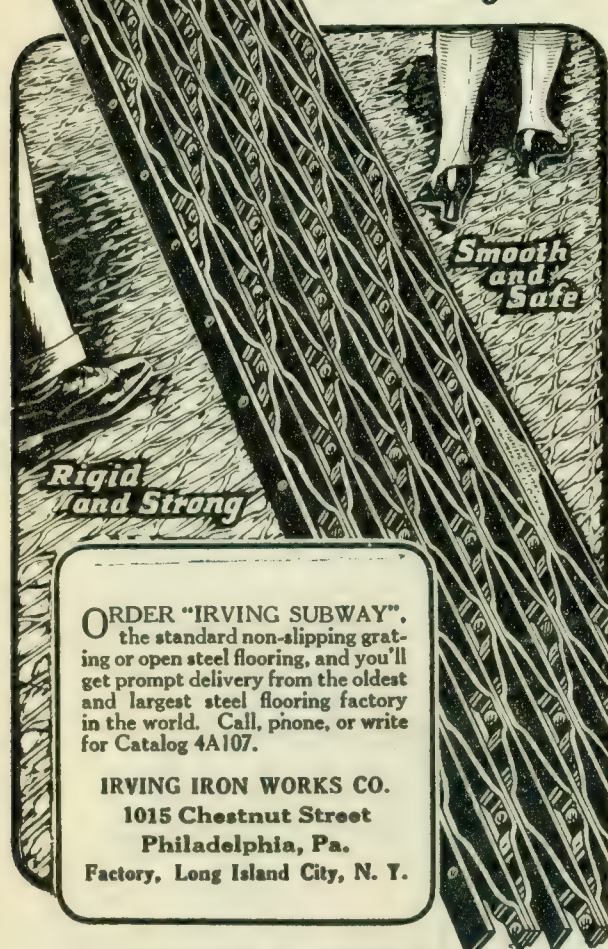
Building (alts and add.), Gloucester, N. J. Architect, private plans. Owner, The Lang Const. Co., S. W. corner 24th and Wood sts., Phila. Metal siding, steel reinforced concrete, 1 story, 58x30 feet (heating, electric, plumbing, piles, reserved), concrete floors, slag roof, waterproofing, architectural terra cotta, coping, ornamental iron work, rolled steel sash and doors. Contract awarded Barclay White Co., 1713 Sansom street, Phila.

High School, May's Landing, N. J., \$179,987. Architect, S. Hudson Vaughn, Guarantee Trust Building, Atlantic City, N. J. Owners, Hamilton Township School Board, Archie Smith, District Clerk, May's Landing, N. J. Brick, reinforced concrete, steel, 3 stories and basement, 138x66 feet, wing 60x51 feet, slag roof, cement and pine floors, safety treads, roof ventilators, metal weather strip, dampproofing, architectural terra cotta, metal lath, marble, terrazzo, steel sash, kalamein doors, bond, iron stairs, ornamental iron, metal partitions, acoustics. Contract awarded to George W. Shaner & Son, Palmyra, N. J. Heating, Baldwin Ventilating Co., 1509 Arch street, Philadelphia, \$19,300. Electric, Gruen Elec. Co., 128 North Maine avenue, Atlantic City, N. J., \$5,433.

Home (add.), Municipal Colony, Trenton, N. J., \$50,038. Architect, W. A. Klenann, First National Bank Building, Trenton, N. J. Owners, City of Trenton, L. D. Hirsch, Clerk, City Hall, Trenton, N. J. Brick, steel, 2 stories, 106x60 feet, 37x40 feet, slate roof, tile and linoleum floors, electric work, steel sash, fire escape. Contract awarded Samuel Wiley, 517 Monmouth street, Trenton, N. J.

Buildings, Totofa, N. J., \$448,000. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Dormitory buildings (4), employees' building and hospital. Brick, steel, slate roof, maple, linoleum, cement and tile floors, hollow tile, roof ventilators, elevators, waterproofing, metal lath, tile, marble, steel sash and skylights,

Always-When You Need Gratings —



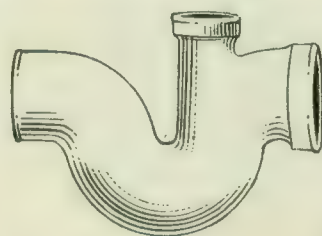
ORDER "IRVING SUBWAY"
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING

OPEN STEEL
SUBWAY
FLOORING

The Seal-A-Void Co.
WATERPROOFING ENGINEERS
Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO
PATCHING, POINTING
AND WATERPROOFING
Seal-A-Void Penetrates, Preserves
1126 S. 11th STREET
PHILADELPHIA
JAC kson 4809



**Prompt Service and Intelligent
Co-operation in supplying
SEWER PIPE, FLUE LINING, WALL COPING**
CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

fire doors, iron work. Contract awarded Butler-Reisdorf Co., 120 East Forty-first street, New York. Plumbing, Burns Lane, New Brunswick, N. J., \$45,843. Heating, Frank McBride, Paterson, N. J., \$42,159. Electric, Hoffman & Elias, 59 West Fifty-first street, New York, \$27,864.

Church, Brigantine, N. J. Architect, G. A. Brook, 15 South Madison avenue, Perth Amboy, N. J. Owners, St. Thomas' Roman Catholic Church, Rev. William Dietrich, Perth Amboy, N. J. Brick, terra cotta, 1 story, slate roof, wood floors, bronze tablets, ornamental iron (heating, plumbing, electric reserved). Contract awarded Charles Glenn, 417 Grammercy Place, Atlantic City, N. J.

Stores (2), Apartment (alts. and add.), Forty-second and Federal streets, Camden, N. J. Architect, H. E. Hall, Merchantville, N. J. Owner, name withheld. Brick, 3 story, 2 story add., 25x04 feet, slag roof, oak floors, cement work, plate glass, flush bulks, hot water heat, electric light, tile work, interior alterations. Contract awarded W. C. Magee, West Collingswood, N. J.

Post Office Building, 529 Monmouth street, Gloucester, N. J. Architect, J. Herbert Raddey, Camden, N. J. Owners, Caven Investment Co., care of Dr. C. C. Epplenman, 23 North Broadway, Gloucester, N. J. Remodeling residence into post office building. Contract awarded H. H. Wilson, Gloucester, N. J.

Factory, Vineland, N. J. Engineers, W. P. Cameron Engr. Co., Packard Building, Philadelphia. Owners, Kimble Glass Co., Vineland, N. J. Brick, 2 stories, 3 stories and basement, 160x52 feet, wing 24x40 feet, s'ag roof, cement and wood block floors, elevators (plumbing, heating, electric and sprinkler reserved), rolled steel sash, ornamental iron work. Contract awarded H. John Homan, Eighteenth and Cherry streets, Philadelphia.

Highway Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J.

Route 17, North, Sec. 4, Borough of Hohenus, Bergen County. Contract awarded Thomas Adametz, East Paterson, N. J., \$23,691.40.

Big Timber Creek Bridge, Route 6 M. P., Camden and Gloucester. Contract awarded Brann & Stuart, Commercial Trust Building, Philadelphia.

Sidewalk Curbs and Gutters, Gloucester, N. J. Engineer, A. J. Albertson, Camden, N. J. Owners, Township of Gloucester, S. E. Self, Blackwood, N. J. Contract awarded S. Matarizzo, 619 South Fourth street, Camden, N. J., \$3,584. Excavation, J. H. McCarty, Runnemede, N. J., \$1,224.

Miscellaneous

Construction News

Church (add.), Hagerstown, Md., \$100,000. Architect, J. A. Dempwolf, Cassatt Building, York, Pa. Owners, St. Mark's Lutheran Church, Rev. J. Ott, 600 West Washington street, Hagerstown, Md. Stone or brick, 1 story. Plans in progress.

Ware Memorial Tower Building, Ithaca, N. Y. Architect, C. Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Cornell University, Ithaca, N. Y. Local stone, 2 towers,

8 stories, dormitory, 5 stories, fireproof. Preliminary plans in progress.

School Building, Mt. Storm, West Virginia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, School Board of Mt. Storm, West Virginia. Plans completed.

School Building, South Charleston, West Virginia. Owners, Board of Education, South Charleston, West Virginia. Architect, H. L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Plans completed.

Office Building (alts. and add.), Calvert street, Mercer and Water streets, Baltimore, Md. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, United States Fidelity & Guaranty Co., Baltimore, Md. Brick, granite, limestone, steel, 12 stories and basement, 7 stories and basement, 42x39 feet, 114x39 feet, s'ag roof, cement and mastic floors (plumbing, heating, electric reserved), metal lath, tile and marble and terrazzo work, rolled steel sash and skylights, hollow metal sash and doors, bond, iron stairs, bronze work, area gratings, waterproofing and dampproofing, architectural terra cotta. Architects taking bids due October 26th.

Residence, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Harvey Branscomb, care of architect. Frame, brick, 3 stories, 30x40 feet, 15 feet 6 inches x 16 feet 6 inches, garage, 20x16 feet, slate roof, oak and pine floors (heating, electric light, plumbing, tile reserved), steel casement sash. Architect taking bids due October 31st at noon.

Administration Building, State College, Colored Students, Dover, Del. Architects, Guilbert & Bettelle, Newark, N. J. Owners, Delaware School Auxiliary Association, A. J. Taylor, Wilmington, Del. Owners taking bids due October 27th.

Bridge, over Hudson River, near New York City. Owner, Hudson River Bridge Commissioner, New York City. Contract awarded on steel to McClintock Marshall, Morris Building, Phila., \$10,134,440.00.

School, Delmar, Delaware. Architects, Guilbert & Bettelle, Newark, N. J. Owner, Delaware School Foundation, A. J. Taylor, Wilmington, Del. Owner taking bids due Oct. 21.

SPECIAL NOTICE

The Sixth Annual Convention of the American Construction Council will be held in St. Louis, Mo., at the Hotel Statler, December 1st and 3rd inclusive.

The plans under way for this convention promise the greatest meeting the Council has yet held.

EFFLORESCENCE ON BRICK WALLS

Since the days of the third Napoleon, the problem of efflorescence on brick walls has been under consideration, and for a long time, as Mark Twain said of the weather, "Everybody talked about it, but nobody did anything about it." Later the chief activity seems to have consisted of taking sides in a controversy as to whether the brick itself or the mortar used was to blame.

As a matter of fact, the materials causing efflorescence may occur in the mortar, in the mortar color, in anti-freezing mixtures, in the soil, in water, in concrete used for foundations, floors, steps, coping, caps, sills, etc., in the soot that accumulates on roofs and possibly, to a limited extent, in the brick itself. Backing up brick and tile made of other materials than burned clay are a prolific source of efflorescence.

The materials causing efflorescence may be any one or more of the following: sulphates, chlorides, carbonates and nitrates of calcium, sodium, potassium, magnesium and iron, and others, no doubt. But whatever the material, the presence and evaporation of moisture is an essential factor.

Development in the art of brickmaking is such that there is little opportunity for efflorescence to develop from within the brick itself. In the first place, there is careful selection of raw materials to eliminate harmful elements and every effort is made to prevent their intrusion. If necessary, chemicals are introduced to convert soluble materials into insoluble forms. Finally burning is carried to such an extent that fusion of any harmful ingredients present results.

It is equally important that the same care and precaution be used in the fabrication of the completed wall and in its subsequent treatment. It must be borne in mind that ordinary mortar is made up largely of lime, with more or less magnesium, and that the more soluble salts may be introduced with the sand and

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of N. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

mixing water. Red mortar color, particularly, contains iron sulphate. Portland cement concrete and mortar are in a state of continual change and in the presence of moisture, free lime is formed. Soil and soil waters contain lime and other salts. In the presence of moisture any of these deleterious materials may be brought to the wall surface by capillary movement and be deposited thereon as the result of evaporation.

Water must be employed in the fabrication of concrete and in the preparation of all kinds of mortar. A moderate amount of initial efflorescence, therefore, well may be expected, but is of little concern. Subsequent appearance of efflorescence may occur also if proper methods of design and construction have not been followed or if improper practices are involved. Such subsequent appearance is of more importance and may become more or less permanent.

Much of the difficulty may be avoided if due precautions are used. Especial care should be exercised in the selection of materials, particularly sand, gravel and water to be used in making mortar or concrete, to make sure that they are as free as possible from deleterious substances.

Attention should be given also to the arrangement and protection of the various elements of the wall and to subsequent treatment of the wall and its appurtenances.

If concrete foundations are used, a strip of heavy asphaltic roofing should be placed between the foundation and the brick wall.

All concrete sills and caps and coping should be provided with proper drips.

Foundations of all kinds and retaining walls should be water-proofed on the soil side with an approved asphaltic compound.

Portland cement mortar should be used for all walls making contact with the soil or in a position where water from sprays or eaves drips may reach them. Elsewhere, low magnesium mortars are preferable to high magnesium mortars.

Roofs must be designed and constructed so that no water may reach the walls.

Eaves troughs and downspouts must be properly designed and constructed and be kept in repair.

Sprays should not be permitted to play directly against walls, and care should be used in the process of scrubbing porches and steps. In connection with the latter there is danger not only with respect to the water itself, but because of the soap or washing compound used.

Efflorescence mars the appearance of a brick wall and may result in distintegration of the mortar and even of the surface of rough textured brick.—*Associated Contractor.*

SOUNDPROOFING OF APARTMENT HOUSES*

With the increasing number of apartment houses and office buildings and the consequent concentration of human activities in close proximity, the problem of sound insulation is rapidly becoming one of the first magnitude. In the construction of such buildings increasing attention is being given to the choice of materials and to the type of construction which may be expected to give a satisfactory degree of sound insulation. Until the last few years there has been but little information available on this subject, but recently several laboratories in this country and abroad have given systematic study to the conditions underlying this problem. Among these laboratories the Bureau of Standards is included.

About four years ago the Bureau of Standards constructed a special building for the purpose of making tests of the acoustic properties of building materials, and since then it has tested a large number of partition walls of the types commonly used in building construction. At the present time attention is being directed to various types of masonry walls and floors. It has been gratifying to find that several associations representing the building trades have considered it worth while to co-operate in this program of experimental work. Such co-operation has been available from the Gypsum Industries (Inc.), the National Lime Association, and the Hollow Building Tile Association.

To form a clear idea of the problem of sound insulation it is necessary to consider how the air vibrations which constitute sound waves are transmitted through a partition wall from one room or space to another.

Sound waves in air consist of alternate compressions and rarefactions, and if there are no holes or cracks in the wall to provide an air path along which the waves can pass directly from one side to the other, the only mode of transmission is by setting the wall itself in vibration. The wall yields a very little to the pressure of each sound wave that strikes it, so that it is thrown into a corresponding state of vibration; and the vibrating wall, in turn, sets the air on the other side in motion, just as the diaphragm of a telephone receiver or of a loudspeaker set up sound waves which are then propagated through the air to the listener's ear.

A solid wall or a smaller panel, such as a wooden door, thus acts like a more or less elastic diaphragm held at the edges; and it is obvious that the less the wall moves back and forth in response to the

sound waves falling on one side of it, the fainter will be the sounds set up on the other side. Hence, making the wall stiffer or heavier, or both, makes it a better sound insulator.

The behavior of compound walls containing inclosed air spaces is not quite so simple, and as an important practical case we may consider the common lath-and-plaster partition supported on studs.

Each face of such a wall consists mainly of a series of rather light and flexible panels, held more or less rigidly at their edges by the studs. The two surfaces are separated by an air space except at the studs, where there is a rigid cross connection which ties the two surfaces together and at these points forces them to move back and forth simultaneously, if at all. Under the alternating pressure impulses of sound waves the studs yield a little and the wall may vibrate as a whole, but each of the more flexible panels may also vibrate separately, its center moving more than its edges, and we may consider what happens to the middle of the panel, disregarding the motion of its edges, for the present.

The surface toward the source of sound is thrown into vibration, and this sets up corresponding sound waves in the dead air space. These throw the second surface into vibration, and so, finally, sound waves are set up in the air on the farther side of the wall. A simpler way to look at it is that the inclosed air acts like an elastic crosstie between the two layers of lath and plaster, but this connection is so weak that the motion of the second surface is very much less than that of the first. The connection is very ineffective, the transmission is low, and the air space is a good insulator.

But if a rigid cross connection is established in the middle of the panel the two surfaces are obliged to move together; and while the first surface is prevented from moving so much, the second moves very much more, and the net result is that the transmission is increased. Thus, while a single strut or crosstie does not constrain the whole panel, the insulating value of the air space is very much reduced.

If we consider any two adjacent panels together, we may evidently regard the intermediate stud as constituting a rigid crosstie in the middle of a double panel. And although the stiffness and weight of the stud prevent the motion from being as great as if the surfaces were merely connected by a light strip of wood not fastened at the ends, measurements made at the Bureau of Standards show that the transmission of sound through a lath-and-plaster wall does occur mainly at the studs and only to a minor extent across the intervening air spaces.

It is evident from the foregoing that cross connections may be very detrimental.

*By V. L. Chrisler, associate physicist, Bureau of Standards. Technologic Paper No. 337.

al to the sound insulating value of a lath-and-plaster wall.

Materials which are fairly good heat insulators are often introduced into this air space, as it has generally been claimed that these materials also improve the sound insulation. The effect of such a filler depends on circumstances. The filler may absorb sound, but it also forms a solid connection between the two surfaces, the connection being more or less soft or rigid according to the material. Moreover, the filler adds to the weight of the wall, and this in itself tends to decrease the vibration of the wall as a whole and to improve the insulation.

The net result could not be predicted, but from the results obtained at the Bureau of Standards it appears that such a filling material is of doubtful value. Although it has been a common assumption with builders that good heat-insulating materials are likewise good sound insulators, experiment does not bear this out in all cases. An air space is generally better than a filling material. In the experiments with stud walls at the Bureau of Standards the introduction of various filling materials into the air space between the studs resulted in nearly every case in a slight increase in the transmission of sound.

These measurements illustrate, also, another point—that weight is not the only factor which determines the sound-insulating property of a wall. For the heaviest heat-insulating material used the sound transmission of the wall was about the same after the wall was filled as before, although the weight of the wall was about doubled, while for the lighter materials, with one exception the transmission was slightly increased, although the weight had been increased some 50 per cent.

Paul Sabine** gives the results of experiments carried out at the Riverbank Laboratories in which he found that either slag or sawdust used as a filler materially reduced the sound insulation of a double partition. The air space in the panels he used was 3 by 8 feet, but the same effect is to be expected in a space 16 inches by 8 feet the ordinary dimensions of the section between studs in a partition wall.

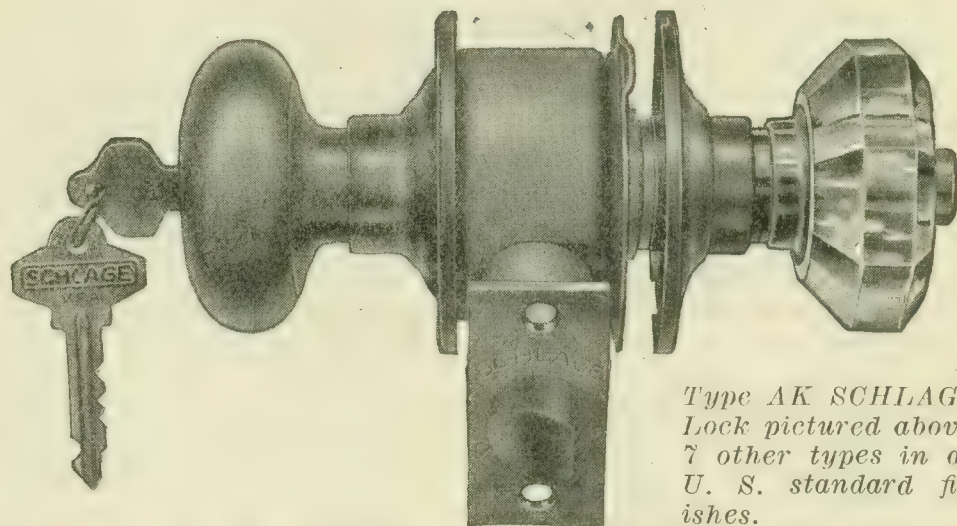
In other experiments made at the Bureau of Standards walls were constructed of two solid plaster partitions with an air space occupying the whole area between them. Measurements were taken with the space empty, and also when this space was loosely filled with hair felt, Celotex, and Cabot's Quilt. It was found that although there was but little difference

in the amount of sound transmitted in the four cases,** the transmission did depend largely upon the manner in which the panels were supported at the edges. For instance, considerably less sound passed through the double panels when they were supported on felt pads than when supported on a piece of wood which acted as a tie between the two partitions.

Experiment, then, leads to these conclusions: First, that to obtain a wall which has the greatest sound-insulating power the two surfaces should not be tied together; and, secondly, that most fillers are valueless or even detrimental as far as sound transmission is concerned, because they act as a tie between the two

surfaces. The separation of the surfaces can be accomplished in a masonry wall, where the partition does not carry a load, by building two walls of 3 or 4 inch material with an intervening air space. In a stud wall this can be done by staggering the studs, so that the opposite sides are independently supported. There is a system which has been worked out and used with success by which the weight of the wall surfaces is carried on felt pads. This undoubtedly has some effect in reducing the transmission, although no measurements have been made at the Bureau of Standards on this particular construction.

In old apartment houses there is some-



Type AK SCHLAGE
Lock pictured above,
7 other types in all
U. S. standard fin-
ishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

**The Armour Engineer, May, 1926.

***Paul Sabine found similar results with hair felt. The Armour Engineer, May, 1926.

times a door in the partition between adjoining apartments. This is often a source of annoyance, as the door transmits considerably more sound than the partition.

The defect can be overcome by the use of an auxiliary panel constructed of layers of hair felt between gypsum wall board or Celotex.**** This auxiliary partition should fit closely in the casing of the door. Gypsum board is more fire resistant than Celotex and slightly more opaque to sound. Whole partitions may be treated in this manner, but in such cases it would be better to build a secondary wall, leaving an inch of air space between it and the original partition.

Another source of annoyance is noise in corridors. As corridors are generally built, especially in fireproof structures, the wall surfaces are excellent reflectors of sound. The best of silvered mirrors reflects only 93 per cent. of light, while a plastered wall finished with a white coat or a hard sand finish reflects from 97 to 99 per cent. of the sound energy. If these surfaces were finished with a plaster which would absorb from 10 to 30 per cent. of the sound energy striking it, the corridor noises would be greatly reduced. There are two or three such plasters on the market. It is not only logical but cheaper to use such material in the original construction of a corridor or auditorium rather than to attempt to correct the trouble after building has been completed.

A sound-absorbing plaster is not necessary for the rooms in an apartment, as the rugs, draperies, furniture, etc., furnish enough absorbing material. In offices, however, when furnished very plainly, such a plaster is desirable to eliminate excessive reverberation.

We have so far dealt only with noises which are communicated to the walls or floors by the air. In the case of noise made by machinery, or by anyone walking across the floor, the problem is of a somewhat different nature. For machinery the only solution is to support the machine on pads, which prevent the vibrations being transferred from the machine to the framework of the building. Various materials, such as cork, hair felt, or other similar materials, have been used for this purpose with varying degrees of success. Great care must also be taken to insulate the holding-down bolts from the machine or building with similar pads, otherwise the vibration would be carried directly to the building, and the pads between the machine and the building would be of no value. In this connection reference may be made

****Gypsum Wallboard and Celotex are mentioned as laboratory tests have been made on these materials. It is probable that some of the other wallboards are equally satisfactory.

to the work of Prof. F. R. Watson, of the University of Illinois.

Floor noises—that is, noises caused by a person walking, dragging a chair across the floor, etc.—can be reduced in somewhat the same manner. In this case either the whole of the finished floor must be supported on pads or cork or rubber tile, or a heavy carpet used on top of the floor, or it is possible to build a suspended ceiling which is insulated from the floor above. By any of these methods the vibrations are to a great extent prevented from reaching the ceiling of the room below. Though several methods have been worked out to reduce noises transmitted in this manner, there have been, as far as the writer knows, no published comparative tests of such systems.

This article must not be taken as a detailed description of how to construct successfully a "soundproof apartment house" but simply as suggesting how improvements to this end may be made. In the successful application of these suggestions the experience and ingenuity of the builder will be a large factor.—*Architecture and Building*.

WINTER BUILDING IS TONIC TO TRADE, SAYS EXECUTIVE

Projects Planned for 1927-28 Season Indicate Rout of Cold Weather Construction Slump

Building and allied trades cease to suffer from winter slump as the popular winter building bogey is routed, says George E. Warren, assistant general manager of the Portland Cement Association.

"Wise builders are planning now for construction straight through the cold weather season. Use of twelve months in the year instead of eight or nine months eliminates the loss from seasonal depression that has been so costly to industry."

Construction engineers agree that building in winter is not only practical but highly desirable from the owner's point of view as well as the worker's. Structurally, building operations can go on through cold weather without any risk if ordinary precautions are taken, it is stated.

Employment during the winter months means that the economic stability of business will be maintained, Warren points out. Not only men employed on construction work but those supplying building materials and engaged in the many lines touched by construction are able to retain their standards of living.

"Maintenance of these standards, and with them buying power, is reflected automatically in the marts of trade. Healthy activity in a five billion dollar industry is stimulated to all others."

Building statistics for the past few years reveal that more and more

buildings are being financed and built during the winter months. In sixteen cities surveyed payrolls and material purchases have mounted each year. Indications are, according to contractors, that the winter of 1927-28 will eclipse any previous winter period.

CONDITIONS IN THE COMMON BRICK INDUSTRY

Prepared by the Common Brick Manufacturers' Association of America

The value of clay products manufactured in the United States in 1926 was \$459,049,470, according to a report of the Department of Commerce. This amount shows a gain of 2 6/10 per cent. over the value of clay products marketed in 1925, and 5 2/10 per cent. gain over 1924.

Of the clay products manufactured for building purposes, being common brick, face brick and hollow tile, common brick makes the best showing in the 1926 report. With fifty-three fewer plants reporting, the value of common brick produced in 1926 was three-tenths of one per cent less than in 1925, and is approximately 2 per cent. greater than the value of common brick in 1924.

It is interesting to note that the number of plants reporting in 1926 is 1220, and with the thorough methods of the Census Bureau it may be assumed that very few plants were missed in the investigation. The Geological survey of twenty years ago shows the report of approximately 5000 plants making common brick. The loss of something like 4000 institutions in this industry is the result of destructive competition and failure on the part of the brick manufacturers to couple merchandising with production. The industry, however, is becoming stabilized and there no doubt will be further reduction in the number of plants with an increase in production and consumption of common brick.

As against three and one half billion common brick consumed in 1918 there was consumed more than seven and a half billion in 1926. This is a gain of more than 100 per cent. The gain of the members of the Common Brick Association exceeds even this figure showing that the non-cooperating manufacturers are absorbing all the loss while organized manufacturers, by the use of Association merchandising methods, are cashing in on the national advertising campaign for common brick with a gain of approximately 12 per cent. a year during the past four years.

Throughout the country there is a slight lull in building operations at the present time. This is believed to be only temporary and there apparently is no fundamental reason for a serious letting down of construction volume.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPLACE DAMPERS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPLACE THROATS

Blackburn, Wm. N. Drexel Hill, Pa.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

DeCou, Richard Co. 11th and Noble Sts., Phila.
Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.
Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard 3rd and Girard Ave., Phila.
Lewis Lumber Co. 324 Sloan St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.
Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.
John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50 N. 5th St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co. 1126 S. 11th St., Phila.
Truscon Laboratories 1505 Race St., Phila.



1792 1927

"The Oldest
American
Fire and Marine
Insurance
Company"

BUILDERS' RISKS ARE MANY
but the cost of protection is
trifling.

Don't let a fire, windstorm,
or some other eventuality catch
you with nothing to defray
your loss.

Any North America Agent
will be glad to give you full
information and advice on this
form of insurance, without
obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

These Preserving People Preserve Their Concrete Floors with "ANTI-HYDRO"

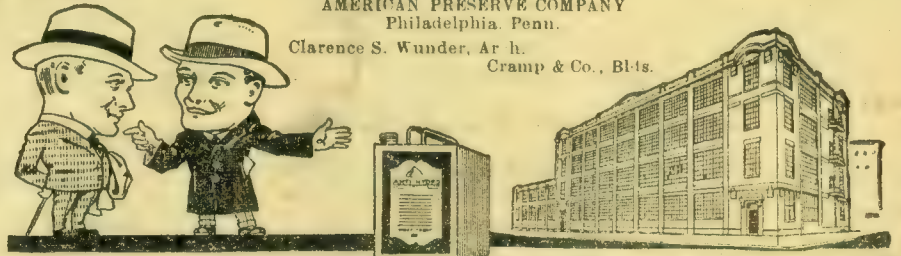
The concrete floor in the basement of this building is constantly
subjected to the severe conditions peculiar to this industry. Yet
"ANTI-HYDRO" has so thoroughly and permanently hardened
the concrete that it is unaffected by acids, oil, water and wear.

"ANTI-HYDRO" is extremely easy and economical to use. Being
a liquid, it mixes readily with the gauging water and through the
concrete, insuring uniform strength and hardness to the concrete.
It accelerates the set of cement, increases its strength and so
enriches it that much of the finishers' time is saved and overtime
work is eliminated.

For 23 years "ANTI-HYDRO" has been the accepted standard.
Results are always permanent and results are what count. Use it
on your next job.

AMERICAN PRESERVE COMPANY
Philadelphia, Penn.

Clarence S. Wunder, Jr. h.
Crump & Co., B-1s.



Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING CO.

265-269 Badger Avenue - Newark, N. J.

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 43
October 26, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P.G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P.G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

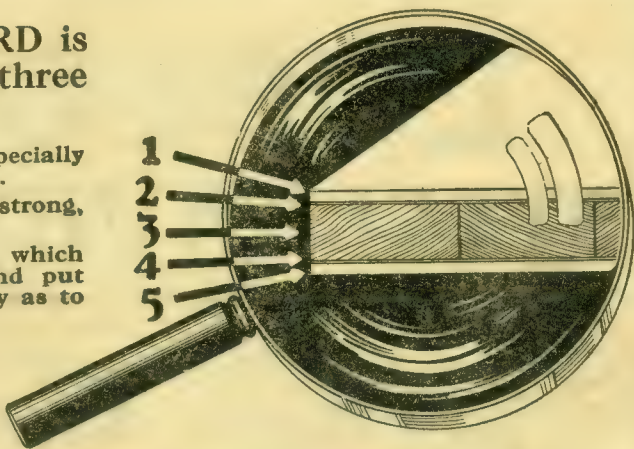
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

West Jersey Sand and Supply Corp.

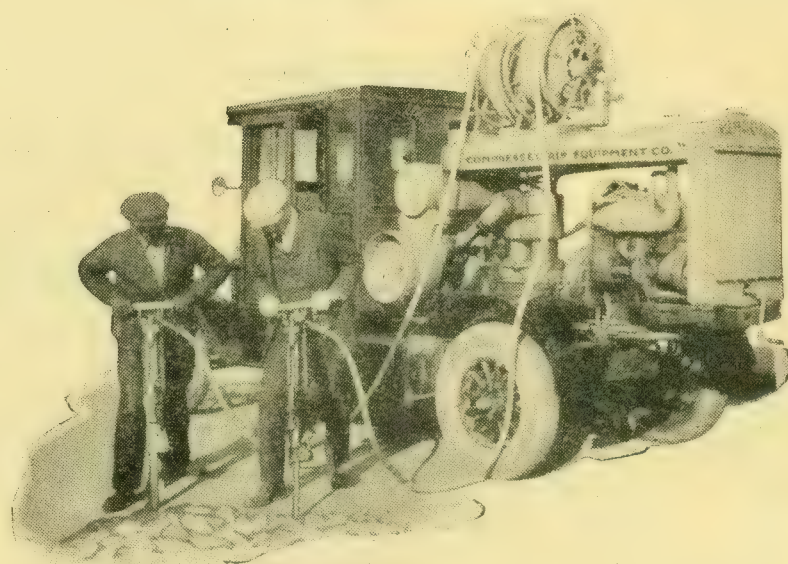
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Regent 7120

Keystone—East 8982

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

*Lupton makes a steel window for
every type of building*

Phone, write or wire large and small orders

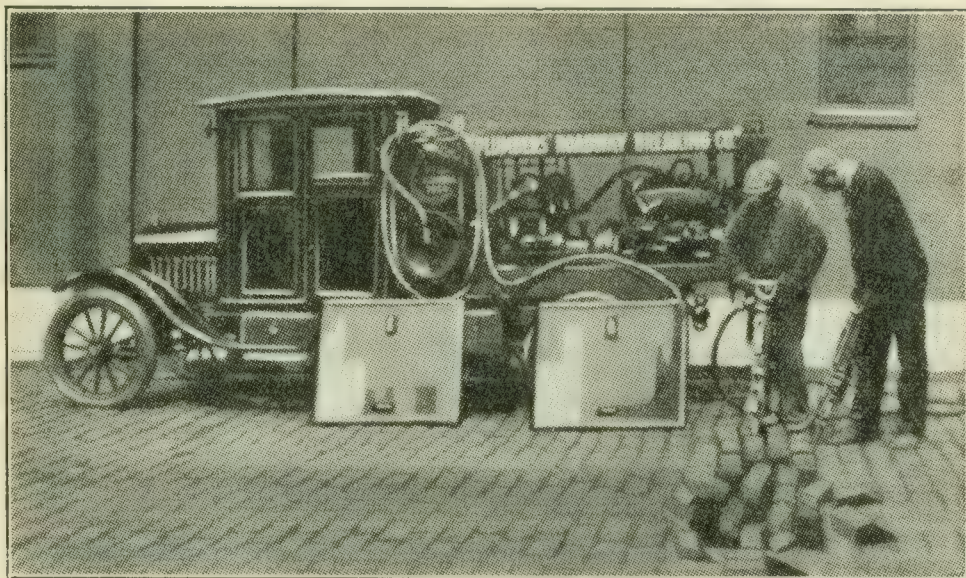
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

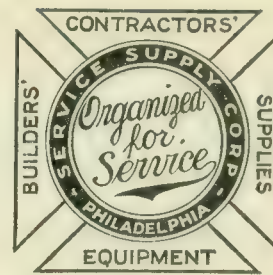
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



SERVICE SUPPLY CORPORATION

*Contractors' and Builders'
Supplies and Equipment*

EXPANSION JOINTS

ALL SIZES CARRIED IN PHILADELPHIA STOCK

Write for Our Bulletin on "UNITS FOR
WINTER CONSTRUCTION"

MAIN OFFICE AND WAREHOUSE
**20th and Venango Streets
Philadelphia**

BRANCH OFFICES AND WAREHOUSES

235-37 N. Virginia Avenue
Atlantic City, N. J.

Wilbur Trust Building
Bethlehem, Pa.

BRICK

You may be familiar with the
UNUSUAL QUALITY
of the Finzer Full Range Forest Blend

FACE BRICK

but did you know that the price has been
Reduced to \$33.25 per M
Delivered and Stacked on the Job

OTHER UNUSUAL VALUES

are
Smooth Buff Courts \$31.75 per M
Vertical Tex Buffs \$30.00 per M

Telephone for samples and location of
jobs which we have served recently

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING,
BOOMS TO SUIT WORK. RAMPS AND
RUNWAYS EXCAVATED. UNLOADING AND
HAULING OF COAL, SAND, CRUSHED STONE,
GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street
PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



DISTRIBUTED IN EASTERN PENNSYLVANIA BY

**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room.

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

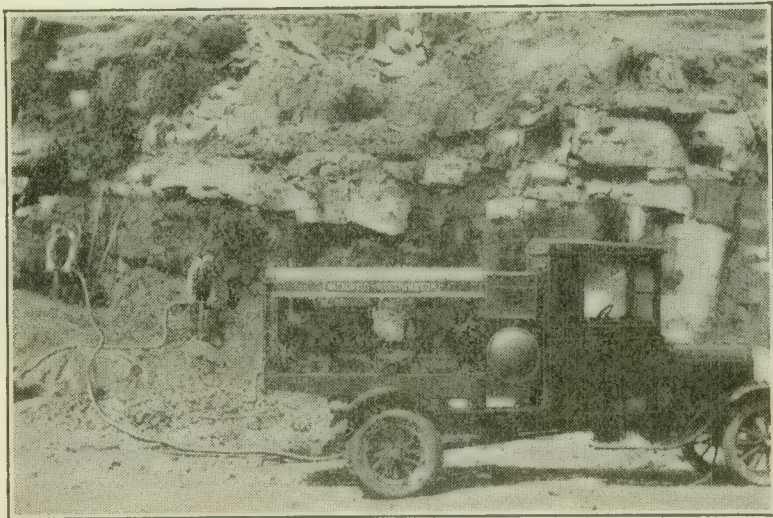
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIoga 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 43

PHILADELPHIA
October 26, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Building, 1422-30 Chestnut street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Agents, R. J. Seltzer, Inc., Fifteenth and Locust streets, Philadelphia. Architect selected.

Church, Venango and Edgemond streets, Philadelphia, \$15,000. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, St. George's Episcopal Mission, care of Episcopal Diocese, 220 South Eighteenth street. Stone, 1 story, 31x42 feet. Plans in progress.

Club House and Apartments, 4644 Penn street, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, Women's Republican Club of Frankford, care of H. Blum, 4651 Leiper street, Philadelphia. Brick, 3 stories. Preliminary plans drawn.

Apartment House, North side Pine, between Forty-seventh and Forty-eighth streets, Philadelphia. Architect, Ralph Bencker, Bellvue Court Building, Philadelphia. Owner, Clarence Siegel, Garden Court Apartments, Philadelphia. Brick, concrete, steel, 10 stories, 190x79 feet, 9 units. Plans for first unit completed.

Hospital Building and Dormitory, Chestnut Hill, Pa. Architect, H. Miller, Crozier Building, Philadelphia. Owners, Home for Aged and Infirm, Lutheran Orphanage, J. H. Hauser, 6950 Germantown avenue, Philadelphia. Brick, 3 stories, composition roof. Plans in progress.

Stores (2) and Offices (alts.), 5713-15 Ger-

mantown avenue. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owner, Charles Manzi, 334 Price street, Philadelphia. Brick, 3 stories, 20x46 feet, general alterations and add. Plans in progress.

Store Building, Roxborough, Philadelphia. Architect, A. Coshland, Chester, Pa. Owners, Propper Brothers, Cresson and Levering streets, Manayunk, Philadelphia. Work contemplated.

Residence Operation, not decided, Wissinoming, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, Cavaleri, 1265 Cheltenham Avenue, Phila. Brick, 2 stories, 16x36 feet, slag roof, pine and oak floors, cement work, hot water heat, electric light, tile work, metal lath, garages in the basements. Owners taking sub-bids.

Drug Store, 263 South Seventeenth street, Philadelphia. Architect, Edward Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Brick, second story add., 22x25 feet, slag roof, terrazzo floors, iron spiral stairs, ornamental iron work. Architect ready for bids.

Garage, 1728-32 South Second street, Philadelphia. Architect, J. Frank Clark, 3514 Spring Garden street, Philadelphia. Owner, name withheld. Brick, steel, concrete, 2 stories, 54x100 feet, slag roof, maple and cement floors, elevators, steam heat, electric light, rolled steel sash, hollow metal skylights, plate glass, cast stone. Architect taking sub-bids due at once.

Apartment Hodse, Vernon and Crittenden streets, Philadelphia, \$250,000. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, M. Kirschner, 2419 North Fifty-sixth street, Philadelphia. Brick, 4 stories, 140x169 feet, slag roof, hardwood and composition floors, vapor heat, electric light, oil burners, tile and marble work, elevators, fire tower, fire and kalamein doors, tile and marble work, hollow metal skylights. Plans in progress. Owner will be ready for sub-bids in 3 weeks.

Apartment House, Tenth and Clinton streets, Philadelphia. Architect, private plans. Owner, Harry Pearl, 625 South Sixty-third street, Philadelphia. Brick, steel, 4 stories and basement, 118x40 feet, slag roof, hardwood, composition, soundproof floors, elevators, roof ventilators, architectural terra cotta, flagstone, cast stone, vapor heat, electric light, metal lath, tile and marble work, fire and hollow metal doors. Work to start in two weeks. Owner taking revised bids on plastering, brick work, excavating and stone work.

Stores (2), Apartments (2), Long lane and Guilford road, Upper Darby, Pa. Architect, B. Dudneck, 1700 Walnut street, Philadelphia. Owners, N. Gatineau Co., Room 520, 1700 Walnut street, Philadelphia. Brick, stone, 2 stories, 20x47 feet, 24x50 feet, slag roof, hardwood floors, mill work, plastering, painting, glazing, plate glass, hot water heat, electric light, tile work, flush bulks. Owners will build and are taking sub-bids.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

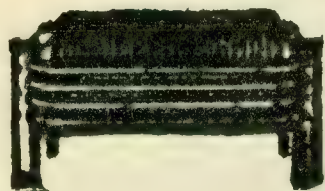
ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**
50 North 2nd Street

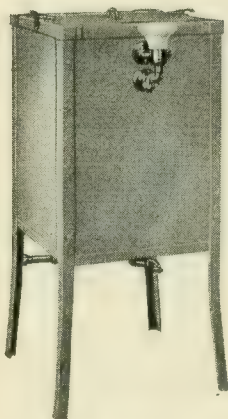


FOR
**FIRE PLACE
FIXTURES**



PHILLIPPI FOUNTAINS

ICE AND SPACE SAVERS



The "Phillippi" Fountain illustrated is the latest development in cooling and purifying water. Water does not come in contact with ice.

More than one floor can be supplied with ice cold water from a single cabinet.

Descriptive booklet, "Utilizing Nature's Method" sent on request. This booklet illustrates all the various models and their ice capacity.

Our showrooms are for your use, visit them before selecting your plumbing and heating equipment.

Fleck Bros. Co.

PLUMBING AND HEATING
SUPPLIES

50 N. 5TH ST., PHILA., PA.

BRANCHES:

LANSDOWNE, PA. CAMDEN, N. J.

Office Model

Other models for clubs
factories, restaurants
and hotels

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Residence, Clifton Heights, Pa., \$15,000. Architect, J. E. Sindoni, Norwood and McKean streets, Philadelphia. Owner, name withheld. Brick, 2 stories, 18x55 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress. Ready for bids in one week.

Apartment House, Southeast Corner Thirteenth and Sixty-eighth avenue, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owner, Harry Pearl, 625 South Sixty-third street, Philadelphia. Brick, cut stone, steel, 4 stories and basement, 161x85 feet, slag roof, elevators, vapor heat, electric light, metal lath, tile and marble work, rolled steel sash and skylights, ornamental iron work, cast stone, roof ventilators, metal weather strip, copper tangles. Owner taking bids due November 10th.

School (Sunday), Fifty-third and Wyalusing avenue, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Blockley Baptist Church, J. A. Haines, on premises. Stone, brick, steel, cut stone, 2 stories and basement, 72x80 feet, slag roof, composition and maple floors, electric light, metal lath, marble work, damp-proofing, bluestone, wall finish, ornamental iron work, wrought iron pipe, plumbing. Architect taking bids due October 31st.

Alterations and Addition, 3232-34 Lancaster avenue, Philadelphia. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Howard M. Pennypacker, care of architect. Carpentry and mill work, plastering, sheet metal work, concrete and cement work, brick, shoring, excavation, demolition, painting, glazing, plumbing, hot water heat, electric light, tile and marble work, iron work. Architect taking bids due October 28th.

Interior Alterations, 216 Lombard street, Philadelphia. Architect, Walter H. Tims, Perry Building, Philadelphia. Owners, Abbott Alderney Dairies, on premises. Brick work, structural steel, iron work, cement work, tile, plastering, painting and glazing. Architect taking bids due October 31st.

Store Building (alts. and add.), 303-05 South street, Philadelphia. Architect, I. E. Spier, 6048 Pine street, Philadelphia. Owners, Finkelstein Brothers, on premises. New bulk windows. Architect taking bids due as soon as possible.

Church (alts.), Fifth street above Cumberland street, Philadelphia. Architect, Edward Schoeppe, 1437 Spruce street, Philadelphia. Owners, Church of the Advent, on premises. Stone work, cement work, tile and slate work, structural steel, ornamental iron work, carpentry and mill work, plastering, steel sash, plumbing and fixtures, drainage, paint-

ing, linoleum floors, hardware, metal lath. Architect taking bids due October 27th.

Building, Frankford and Granite Sts., Phila. Architect, Wm. H. Lee, Schaff Bldg., Phila. Owners, Forum Amusement Co., 5413 Frankford avenue, Philadelphia. Brick, cut stone, steel, 2 stories, 66x56, 3x37 feet, slag roof, cement floors, roof ventilators, ornamental iron work, bond, tile work, metal lath, electric light, steam heat. Owners taking bids due as soon as possible.

Residences (10), North side Lardner street, East of Castor road, \$35,000. Architect, private plans. Owner, Matthew Best, 5543 Loretta street, Philadelphia. Brick, 2 stories, 16x35 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Service Station, Northeast Corner Fifty-second and Haverford avenue, Philadelphia, \$4,500. Owners, Pure Oil Co., Widener Building, Philadelphia. Brick, 1 story, 13x20 feet. Permit issued.

Residences (12), South side Sixty-eighth avenue, West of Twentieth street, Philadelphia. Architect, private plans. Owner, L. W. Folscheid, 836 East Haines street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 25 feet 6 inches, 12x6 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence (add. and alts.), 131 South Forty-sixth street, Philadelphia, \$2,000. Architect, private plans. Owner, Sarah Woldenberg, 243 South Ninth street, Philadelphia. Brick, 2 stories add., 15x16 feet, general alterations. Permit issued.

Residences (18), East side Discher street, South of Cheltenham avenue, \$64,800. Architect, private plans. Owners, Smith, McGowan & Donnelly, 813 East Allegheny avenue. Brick, 2 stories, 15x27 feet, 11x10 feet, slag roof pine floors, hot water heat, electric light. Permit issued.

Factory (add.), Southeast Corner Bustleton avenue and County Line, Philadelphia, \$15,000. Architect, private plans. Owner, G. Brewer Gehly, on premises. Brick, 2 stories add., 50x42 feet. Permit issued.

Residence, East side Verree road, North of Borbeck street, Philadelphia, \$6,000. Architect private plans. Owner, Edwin Davis, 7802 Verree road Philadelphia. Brick and frame, 2 stories, 26x28 feet, hot air heat, electric light. Permit issued.

Residence, Northwest Corner Torresdale avenue and Linden street, Philadelphia, \$10,000. Architect, private plans. Owner, Henrietta Dysart, on premises. Brick, 2 stories, 20x60 feet, hardwood and pine floors, hot water heat, electric light, tile work. Permit issued.

Residences (2), 8645-47 Erwig avenue, Phil-

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

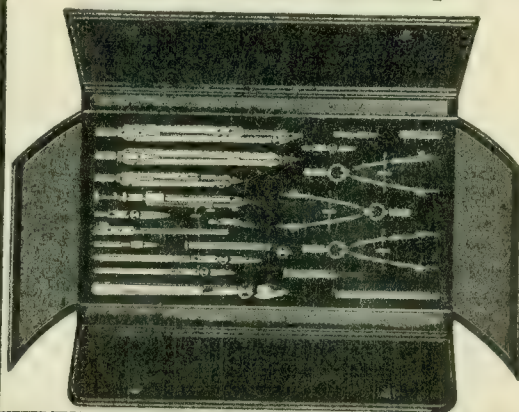
BRICKS HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED - Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

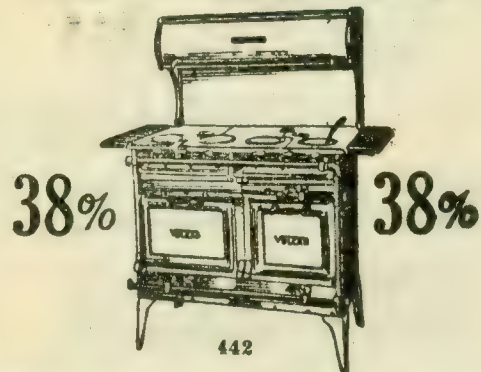
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

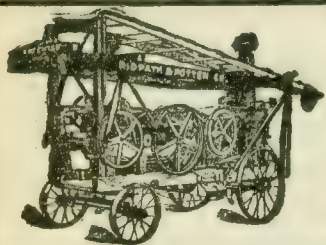
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

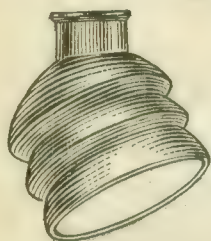
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Philadelphia, \$8,000. Architect, private plans. Owner, Robert R. Heath, 3217 South Eighty-seventh street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 38 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (23), East side D street, South of Courtland street, Philadelphia, \$82,100. Architect, private plans. Owners, Singer & Schmidtheiser, 37 South Fifty-ninth street, Philadelphia. Brick, 2 stories, 14x24 feet, 11x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (10), West side Erdrick street, South of Comly street, \$40,500. Architect, private plans. Owners, Furman & Steinfeld, 1520 North Alden street, Philadelphia. Brick, 2 stories, 15x49 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, West side Dearnley street, North of Elanning street, \$3,500. Owner, Frank G. Hendren, Spring street, Roxborough, Philadelphia. Frame, 1 story, 36x28 feet, pine floors. Permit issued.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, taking bids due November 4th for frogs, switches and switch points.

Whitehall Commons (imp.), Jackson and Filmore streets, Philadelphia. Owners, Department of Public Works, Bureau of Property, 216 City Hall. Low bidder: Edward Fay & Son, 5512 Vine street, Philadelphia, \$11,495.

Alts. and Add., 465-67 North Eighth street, Philadelphia. Engineer, L. S. Wilds, 1818 N. Twenty-sixth street, Philadelphia. Owner's name withheld. Steel work, glazing, brickwork, concrete work, archt. terra cotta, steel sash, slag roof, iron work, carpentry and millwork, hardware. Bids due October 28th.

Dairy Building, 4719-25 Lancaster avenue, Philadelphia. Architect, private plans. Owners, Supplee-Wills Jones Co., Twenty-sixth and Jefferson streets. Brick, steel, two stories and basement, 85x135 feet, slag roof, cement floors, rolled steel sash. Owner taking bids.

Office Building, Kensington avenue and N street, Philadelphia. Architect, J. Ethan Field-

stein, Otis Building, Philadelphia. Owner, Dwight Lawton, care of architect. Brick, steel, two stories, slag roof, oak, pine and cement floors. Architect taking bids, due as soon as possible.

Foundry Building, Ambler and Tioga Sts., Philadelphia. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Gill Virden Co., on premises. Brick, steel, one story, 109x62 feet, slag roof, cement floors, rolled steel sash. Architect taking bids, due as soon as possible.

Factory Building, Fiftieth street, north of Wynnefield avenue, Philadelphia. Owner, Mallard Bryan, on premises. Preliminary plans in progress.

Residences (55), south side of Wooderest avenue, west of Fifty-sixth street, Philadelphia, \$227,000. Architect, private plans. Owner, M. Gussman, 5403 Montgomery avenue, Philadelphia. Brick, two stories, 16x30 feet, 12x21 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (6), west side of Fifth street, south of Ruscomb street, \$52,000. Architect, private plans. Owner, Morris Goldick, Bankers' Trust Building, Philadelphia. Brick, two stories, 16x29 feet, 13x21 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, N. E. Cor. Thirty-seventh and Ludlow streets, Philadelphia, \$20,000. Architect, private plans. Owner, James Kershaw, 527 North Forty-first street, Philadelphia. Brick, one story, 120x100 feet, slag roof, cement floors. Permit issued.

Residences (2), east side of Claridge street, north of Shelmire street, \$8,000. Architect, private plans. Owner, John Jones, 4417 Larchwood avenue, Philadelphia. Brick, two stories, 15x42 feet, slag roof, pine floors, electric light, hot water heat. Permit issued.

Residence, north side of Miller street, east of Glenlock street, \$3,500. Architect, private plans. Owner, Albert M. Quinn, 4604 Longshore street, Philadelphia. Brick, two stories, 16x45 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Contracts Awarded

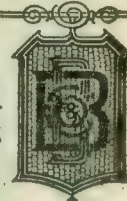
Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Dairy Building (alts.), 3225 York road, Philadelphia. Architect, William H. Timms, Perry Building, Philadelphia. Owners, Har-

bison Dairies, on premises. Shoring, cement, concrete, safety treads, structural iron work, brick work, cut stone, terrazzo work, tile

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



work, steel partitions, rolled steel sash, carpentry and mill work, painting, glazing, hardware, plastering, sheet metal work, slag roof, elevator work (plumbing, electric light, boiler and setting, radial brick chimney, refrigerating apparatus, cork insulation, sprinkler tank and tower, sprinkler reserved). Contract awarded Barclay White Co., 1713 Sansom street, Philadelphia.

Theatre, Store and Garage, Eighth and South streets, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Remy Theatre Co., H. Bachman, North American Building, Philadelphia. Brick, stone, steel, limestone, 1 story, balcony and basement, 244x74 feet, gypsum asbestos roof, cement, pine floors, plumbing, rolled steel sash, roof ventilators, steam heat, electric light, tile, marble and terrazzo work, kalamein doors, bond, iron stairs, sprinkler system, rolled steel shutters, area gratings, steel toilet partitions, bronze work. Contract awarded Haversick & Borthwick, Schaff Building, Philadelphia.

Store Building (alts. and add.), 1829 Chestnut street, Philadelphia. Architect, I. Demschick, 1701 Chestnut street, Philadelphia. Owner, Samuel Weiss, care of architect. Stone, concrete and cement, brick work, cut stone, structural steel, slag roof, sheet metal, carpentry and mill work oak floors, tile and marble work, plastering, sprinkler, Arvon finish, oil burner, hardware, bronze bulks, iron work, electric light, steam heat. Contract awarded E. E. Hollenback, 1910 North Marshall street, Philadelphia.

Residence (alts. and add.), 3123 Queen lane, Philadelphia. Architect, John W. Keyes, Otis Building, Philadelphia. Owner, Dr. W. McKinney, on premises. Stone, 2 stories and basement, 14x20 feet, slate roof, oak, pine floors, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded S. Harting & Son, 20 East Johnson street, Philadelphia.

Residence (add.), 531 Windmere avenue, Chestnut Hill, Pa. Architect, J. W. Keyes, Otis Building, Philadelphia. Owner, W. Donald Warner, on premises. Hollow tile, stucco, 2 stories. Contract awarded H. Specht, Willow Grove, Pa.

Store Building, Wister and Chew streets, Philadelphia. Architect, private plans. Owner, E. G. Schultz, care of builder. Brick, 2 stories, 20x64 feet, slag roof, hardwood floors, hot water heat, electric light, metal lath, tile work. Contract awarded Penn Building Co., Haines and Ardleigh streets, Philadelphia.

Restaurant Building, 33 South Fifteenth street, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Cadillac Restaurant, care of architect. Contract awarded S. Yellin, 222 North Eleventh street, Philadelphia.

Residence, 3819 Frankford avenue, Philadelphia, \$6,000. Architect, private plans. Owner, James Hutton, 3805 Frankford avenue, Philadelphia. Brick, 2 stories, 16x48 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded to F. Crompton & Brothers, 4614 Oakland street.

Residence, East side Ditman street, South of Comly street, Philadelphia, \$5,000. Architect, private plans. Owner, J. Philip Kirk, 5916 Torresdale avenue, Philadelphia. Brick, 2 stories, 17x42 feet, slag roof, hardwood

and pine floors, hot water heat, electric light. Contract awarded to Lewis Dietrich, 6948 Torresdale avenue.

Residences (2), 205-07 West Jefferson street, Philadelphia, \$5,000. Architect, private plans. Owner, Louis Goodfriend, 215 South Broad street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 19 feet, slag roof, pine floors, electric light. Contract awarded to Benjamin Kline, 2336 North Columbia avenue, Philadelphia.

Stores and Manufacturing Building, Northwest Corner Thirteenth and Lombard streets, Philadelphia, \$60,000. Architect, M. M. Boonin, 23 South Sixteenth street, Philadelphia. Owner, Assoc. Realty Corp., care of Archt. Brick, steel, reinforced concrete, 5 stories, 123x36 feet, slag roof, cement floors, plumbing, cast stone, cinder concrete block, wrought iron pipe, ornamental iron, bond, kalamein doors, metal skylights, steel sash, metal lath, steam heat, electric work. Contract awarded Max Cotler, 1220 North Forty-second street, Philadelphia.

Warehouse, 4250 Wissahickon avenue, Philadelphia, \$5,000. Architect, private plans. Owners, Davis Brothers, Inc., on premises. Steel, 1 story, 62 feet 6 inches x 113 feet. Contract awarded Bishops & Co., Real Estate Trust Building, Philadelphia.

Garage, 4477 Fleming street, Philadelphia, \$2,900. Architect, private plans. Owner, Harry Miles, on premises. Brick, 1 story, 74x16 feet, slag roof, cement floors. Contract awarded W. Steklinski, 205 East street, Philadelphia.

Store and Storage, 5511 North Third street, Philadelphia, \$2,200. Architect, private plans. Owner, Andrew McGuckin, on premises. Brick, 2 stories, 25x100 feet. Contract awarded Eigenbauer & Kepner, 5207 Marshall street.

Garage, 402 West Cheltenham avenue, Philadelphia, \$2,000. Owner, Stephen Haas, Land Title Building, Philadelphia. Brick, 1 story, 26x18 feet, 17x44 feet, slag roof, cement floors. Contract awarded Samuel Weiss, 901 Walnut street, Philadelphia.

Residence, South side Disston street, West of Frontenac street, \$7,500. Architect, private plans. Owner, Irma M. Wickoff, Kansas City, Mo. Frame, 1 story, 24x46 feet, hot water heat, electric light. Contract awarded John S. Hoag, Horsham, Pa.

Residence (add.), 3123 Queen Lane, Philadelphia, \$4,000. Architect, private plans. Owner, Walter B. McKinney, on premises. Brick, 2 stories add., 13x16 feet. Contract awarded Samuel Harting & Son, 20 East Johnson street.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIES AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters
for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

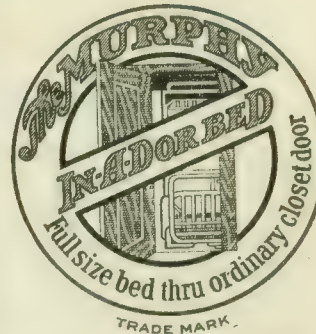
Regent 1100

Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murphy

THE MURPHY DOOR

512 Bulletin Building

Philadelphia

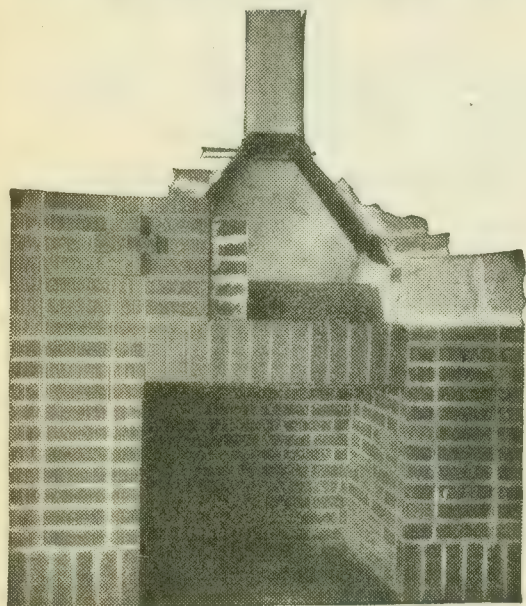
Penna.

Ber

19 N

THERE IS ONLY ONE IN-A-I
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

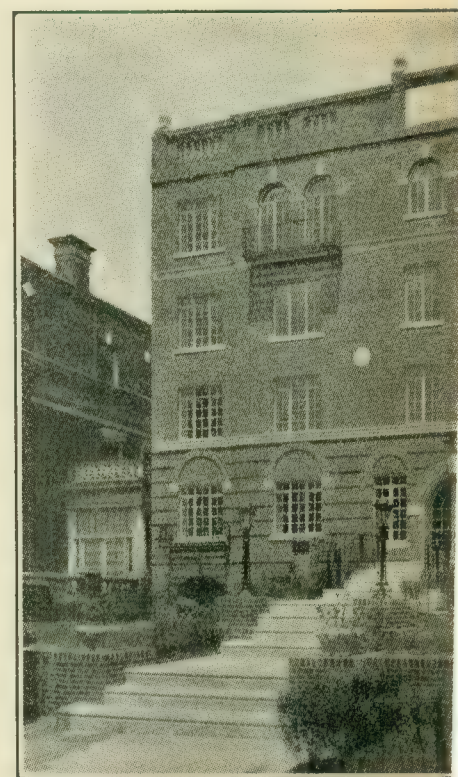
For Demonstration and Proof

Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

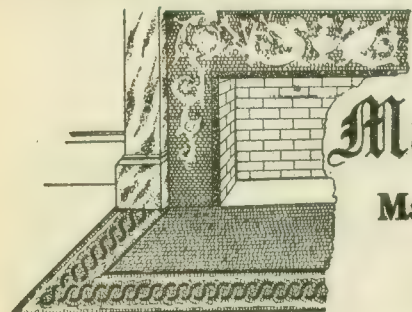
For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.



BUILD WITH ST. MARTINS BUILDING STONE "Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

Both
Phones

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If h
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegr
of Truscon STONETEX.

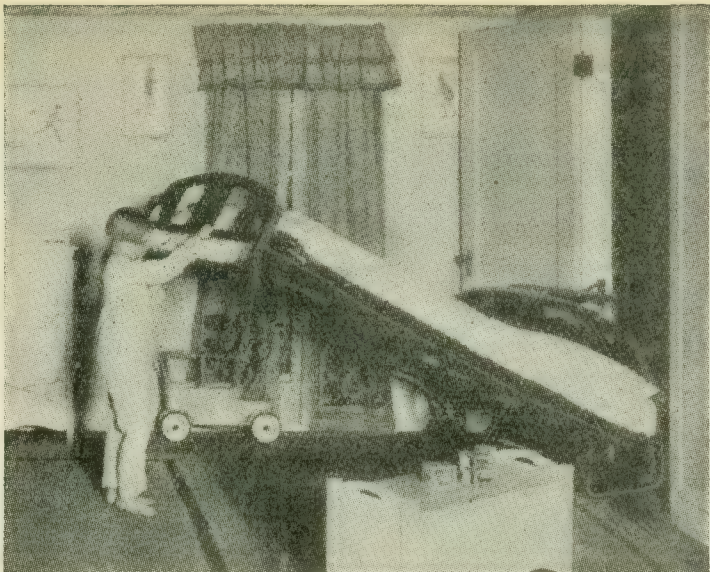
STONETEX is the masonry coating. Not or
from being absorbed into concrete, stucco or brick, b
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

BEDS

omes
springs

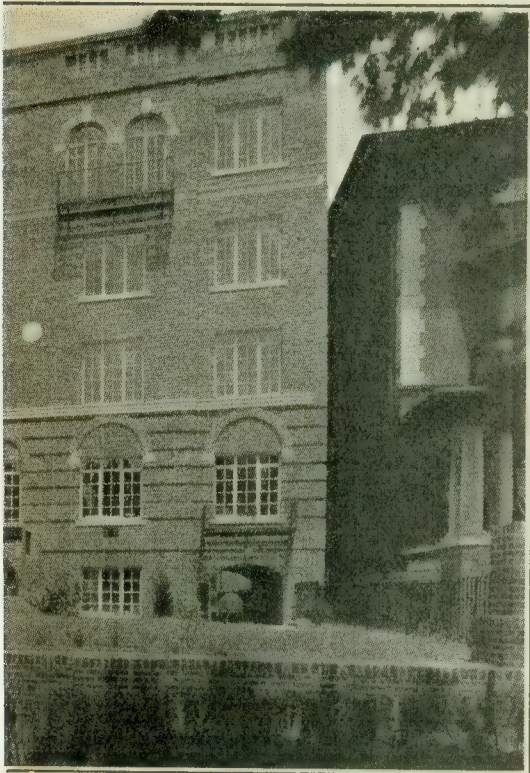
r call at our
plain kitchen
ing boards as
Beds

ED CO.
ley Building
t 44th Street
ew York
OR BED



A child can operate the bed

nfortable, Convenient
here represented sell
nd Specified Materials or
elt of their co-operation.



NETEX

urfaces

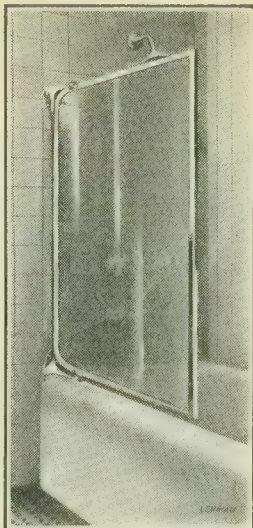
ecks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
ke masonry.



The Truscon
Laboratories
1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510
WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN SPRAYSHIELDS

Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

Face Brick Paving Brick

Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Residence and Store (add.), 402 West Chel-
ten avenue, \$4,000. Owner, Stephen Haas,
Land Title Building, Philadelphia. Brick, 2

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Lewis Lumber Co.

Lumber
Stock Millwork
Jobbers' Lumber
Sheetrock
Flintkote Shingles

324 Sloan Street
Philadelphia

(Between 39th and 40th, off Powelton Ave.)

Phone, Evergreen 4769

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

ARROWHEAD STEEL GRATINGS

FRANK PETTIT ORNAMENTAL IRON WORKS

REGENT 9857

1505-15 N. Mascher Street, Phila.

PARK 4147-4148

stories add., 35x22 feet. Contract awarded
Weiss Const. Co., 901 Walnut street, Phila-
delphia.

Garage, 420 Lemonte street, Philadelphia,
\$2,000. Architect, private plans. Owner,
George Shirley, on premises. Brick, 1 story,
43x35 feet, slag roof, cement floors. Contract
awarded to Adam Wilkinson, 439 Harmon
road, Philadelphia.

Store and Residence, Northeast Corner
Twenty-first and Fitzwater streets, Philadel-
phia. Architect, private plans. Owner, Max
Kapulsky, on premises. Brick, 3 stories, 16x30
feet, slag roof, hardwood and pine floors, hot
water heat, electric light. Contract awarded
to M. Singer, 430 Snyder avenue, Philadel-
phia.

Office (alts.), 112 North Broad street, Phila-
delphia, \$8,000. Owners, Utilities Realty
Co., Broad and Arch streets, Philadelphia.
General alterations. Contract awarded to U.
G. I. Const. Co., Broad and Arch streets.

**Residence, Office and Garage (add. and
alts.)**, 235-37 West School lane, Philadelphia,
\$7,000. Architect, private plans. Owners,
China Inland Mission, on premises. Brick, 1
story add., 18x23 feet, general alterations,
garage, brick, 1 story, 18x20 feet, slag roof,
cement floors. Contract awarded Henry P.
Schneider, 3713 Old York road.

Residence, South side Erwig avenue, West
of Eighty-fourth street, Philadelphia, \$4,800.
Architect, private plans. Owner, T. Smith,
Eighty-fourth and Holstein avenue, Philadel-
phia. Brick, 2 stories, 16x46 feet, slag roof,
hardwood and pine floors, hot water heat,
electric light. Contract awarded to Henry
Peterson, Eighty-sixth and Bartram avenue,
Philadelphia.

Residence (add.), 4651-53 Germantown ave-
nue, Philadelphia, \$2,000. Architect, private
plans. Owner, Sarah Rathgeb, 6815 North
Eighteenth street, Philadelphia. Brick, 2 sto-
ries add., 8x16 feet. Contract awarded to
A. E. Paul, 510 East Godfrey avenue, Phila-
delphia.

Garage (add.), 4029 Irving street, Phila-
delphia, \$7,000. Architect, Ralph Goldberg,
266 South Fifteenth street, Philadelphia. Own-
ers, Preston Garage, Inc., 4024 Locust street,
Philadelphia. Brick, steel, 2 stories and base-
ment, 16x75 feet, slag roof, cement floors.
Contract awarded Monaghan & Losse, 3016
Chestnut street, Philadelphia.

Garage, Southeast Corner Second and Tioga
streets, Philadelphia, \$51,000. Architect, pri-
vate plans. Owner, N. Glanzburg, 1769
Georges lane, Philadelphia. Brick, 2 stories,
60x142 feet, slag roof, cement floors. Con-
tract awarded S. Goldberg, 2246 South Ninth
street, Philadelphia.

Shop, East side Markoe street, South of
Chestnut street, \$6,000. Architect, private
plans. Owner, A. Leibovitz, Franklin Trust

Building, Philadelphia. Brick, 1 story, 60x60
feet, slag roof, electric light. Contract award-
ed E. Holdeman, 1112 Franklin Trust Build-
ing, Philadelphia.

Laundry (add.), 840-42 North Holly street,
Philadelphia, \$6,000. Architect, private plans.
Owner, Robert Freeman, on premises. Brick,
1 story add., 40x50 feet. Contract awarded
D. Wittenberg, 1519 North Thirty-third street,
Philadelphia.

Garage, 8042 Elberon street, Philadelphia,
\$2,700. Architect, private plans. Owner, Mrs.
George Lauther, on premises. Frame and con-
crete block, 1 story, 70 feet 10 inches x 34
feet, cement work. Contract awarded C. Dean
Thatcher, 701 Benson avenue, Philadelphia.

Sewer Work, Philadelphia. Contracts
awarded. Owners, Department of Public
Works, Bureau of Engineering, 216 City Hall.
Magdalena street, Hasty & Co., 1312 Jerome
street, Philadelphia, \$13,890.05. G street,
Leva Brothers, 104 West Gale street, Phila-
delphia, \$9,350. Loretto street, F. De Pas-
quale, Philadelphia, \$17,275. Foulkrod street,
Leva Brothers, 104 West Gale street, Phila-
delphia, \$12,136.50.

Extension Northbound Platform, Wayne
Junction, Philadelphia. Architect, Clark Dil-
lenback, Twelfth and Market streets, Phila-
delphia. Owners, Reading R. R., Twelfth and
Market streets, Philadelphia. Concrete and
wood work, 196 feet long, electric light, Bar-
rett asphalt roof, cement floors, bond, iron
work. Contract awarded G. H. Evans, 1416
Vine street, Philadelphia.

Factory, N. W. Cor. Swanson and Wolf Sts.,
Philadelphia, \$100,000. Owner, Raymond
Goldstein, 1600 Walnut street, Philadelphia.
Brick, two stories, 140x178 feet. Plans filed.
Contract awarded Barclay White Co., 1713
Snasom street, Philadelphia.

Residence and Store (add. and alts.), S. W.
Cor. Clearfield and Ruth streets, Philadelphia,
\$4,000. Architect, private plans. Owner,
Izella Carney, 3200 Shelburne street, Phila-
delphia. Brick, two-story addition, 16x22 feet,
general alterations. Contract awarded Ken-
neth Adams, 3252 North Phillips street, Phila-
delphia.

Manufacturing Building (add. and alts.),
465-67 North Eighth street, Philadelphia, \$3,
500. Architect, private plans. Owner, W. S.
Karpneck, on premises. Brick, two-story ad-
dition, 30x64 feet, general alterations. Con-
tract awarded to J. S. Wilds, 1818 North
Twenty-sixth street, Philadelphia.

Sore, north side of Dicks avenue, west of
Shields street, Philadelphia, \$2,800. Architect,
private plans. Owner, Robert N. Braxton, 2660
South Shields street, Philadelphia. Brick, one
story, 16x25 feet. Contract awarded to
France & Missar, Inc., 6725 Yocum St., Phila-
delphia.

Pennsylvania Construction News

High School, Spring City, Pa. Architects,
Hasness & Albright, 213 Walnut street, Har-
risburg, Pa. Owners, Spring City School
Board, R. C. Jones, president, Spring City,
Pa. Brick, 2 stories. Work contemplated.

Store and Apartment (2), Meadow lane,
Chester, Pa. Architect, A. Coshland, Chester,
Pa. Owner, Oscar Balin, care of architect.
Brick, 2 stories, hot water heat, slag roof,
hardwood floors, electric light. Plans in prog-
ress.

Lodge and Stores, Carlisle, Pa. Architect,
C. J. Lappley, Parkside Building, Harrisburg,
Pa. Owners, Carlisle Castle Corp., Samuel
Goodyear, Carlisle, Pa. Brick, cast stone,
steel, 3 stories, 60x55 feet, composition roof,

hardwood floors, electric work, tile and marble, iron stairs, bond, casement windows. Plans in progress.

Residence, Second and Division streets, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owner, Herbert Kauffman, care of architects. Stone, 2½ stories, slate roof, hardwood floors, electric work, tile work. Plans in progress.

Parish House and Parsonage, Middletown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, St. Peter's Lutheran Church, A. R. Hoffman, Middletown, Pa. Brick, cinder block, steel, 2 stories and basement, 43x76 feet, slate and built-up roof, hardwood floors, cast stone, steel sash, tile work, electric light, hot water heat. All bids rejected. Revised plans in progress.

Store, Third and Edgemont streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, L. Much, 103 West Third street, Chester, Pa. Brick, 4 stories. Plans in progress.

Residence and Garage, Eden, Lancaster County, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia. Owner, H. B. Hostetter, Lancaster, Pa. Stone, 2½ stories, 98x32 feet, 22x30 feet, hardwood and cement floors, electric light. Architect taking bids due Nov. 2nd.

American Legion Building, Kingston, Pa., \$100,000. Architect, Thomas H. Atherton, 139 South Main street Wilkes-Barre, Pa. Owners, Black Diamond Post, American Legion, Hugh Ridall, Kingston, Pa. Brick, 2 stories. Plans in progress. Architect will be ready for bids about November 15th.

Commercial Building, Pottsville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Hen Johnston, Inc., 645 Penn street, Reading, Pa. Cinder block, steel, 1 story and basement, 50x85 feet, composition roof, maple and cement floors, steam heat, electric light, rolled steel sash. Architect will take bids at end of week.

Residence, Green street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, J. H. Gilbert, Sunbury, Pa. Brick, 2½ stories, 28x30 feet, asphalt shingle roof, hardwood floors, electric light, tile work. Owner will build.

Twin Residences (3 pair), Drexel Park, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Cavaleri, 1265 Cheltenham avenue, Philadelphia. Frame, 2 stories, 16x40 feet, garage, 10x20 feet, creodipt shingle roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Owner taking sub-bids.

School Building, Darby Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Darby Township, Pa. Plans completed.

School, Rockledge, Pa. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owners, Rockledge School District, Rockledge, Pa. Brick, 2 stories, 48x36 feet, slag roof. Plans in progress.

School Building, Belmont and Milmont avenues, Ridley Park, Pa. Architect, P. F. Getz, Victory Building, Philadelphia. Owners, D. Cardinal Dougherty, Philadelphia; Our Lady of Peace Parish, Rev. A. L. Rees, Ridley Park, Pa. Stone, concrete, cut stone brick, 2 stories and basement, 55x85 feet (oil burning system reserved), vapor heat, electric light,

metal lath, rolled steel sash, bond, iron stairs, ornamental iron work, asbestos shingle roof, maple floors, metal ceiling, dampproofing, bluestone, metal toilet partitions, plumbing and fixtures (waterproofing reserved). Owners taking bids due October 31st.

West End High School (add.), Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Lancaster School District, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 3 stories, 146x200 feet, composition roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing architectural terra cotta, cast stone, area gratings, iron pipe, brass pipe, ornamental iron, iron stairs, bond, fire doors, skylights, tile, marble, metal lath. Owners taking bids due November 18th.

Filling Station, West Earl, Lancaster County, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owner, Charles R. Shum, care of architect. Brick, 1½ stories, 60x100 feet, tile roof, concrete floors, tile work, electric light, floor hardener, ornamental iron. Architect taking bids due October 29th.

Cold Storage Building (alts.), Merion, Pa. Architect, private plans. Owners, Sisters of Mercy, Merion, Pa. Tile work, cork insulation, plastering, electric refrigeration, reinforced concrete and cement work. Owners taking bids due as soon as possible.

Garage and Service Station, Fifth and Penn streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owners, Margolin, Fogel & Cohen, Chester, Pa. Brick, concrete, steel, 2 stories, 105x133 feet, piling, cut stone, sheet metal, plate glass, painting, plastering, mill work, waterproofing, rolled steel sash and doors. Architect taking bids due October 27th.

Apartment House, Southeast Corner Hook and State roads, Sharon Hill, Pa. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owner, David Sokolow, 5108 Whitaker avenue, Philadelphia. Brick, 2 stories, 54x100 feet, irregular, slag roof, hardwood floors, incinerator, door beds, hot water heat, oil burners, electric light, tile work. Owner taking sub-bids.

Miscellaneous Buildings, Mt. Gretna, Pa. Owners, United States Property Officer of Pennsylvania, State Arsenal, Harrisburg, Pa. Construction of 29 combination kitchen and mess halls, 7 animal shelters, one landscape target and pistol range. Owners taking bids due November 3rd, 10 A. M.

Infirmary, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Penn State College, State

College, Pa. Brick, steel, limestone, 2 stories and basement, 38x102 feet, slag roof, cement floors. Architect taking bids due November 11th, 3 P. M.

Dining Room K11, Fairview State Hospital, Waymarth P. O., Wayne County, Pa. Architect, C. L. Hillman, 400 Chestnut street, Philadelphia. Owners, Board of Trustees, Dr.

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES

ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS

PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501
Keystone, East 8912

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

Preservative Coatings For

BRICK, STONE, CONCRETE AND
STUCCO

PATCHING, POINTING
AND WATERPROOFING

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA
JAC kson 4809

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.
Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

HELP WANTED

Estimator and Salesman for Ornamental Iron Company. Apply Bldg. News Pub. Co., 826 Perry Bldg., Phila.

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

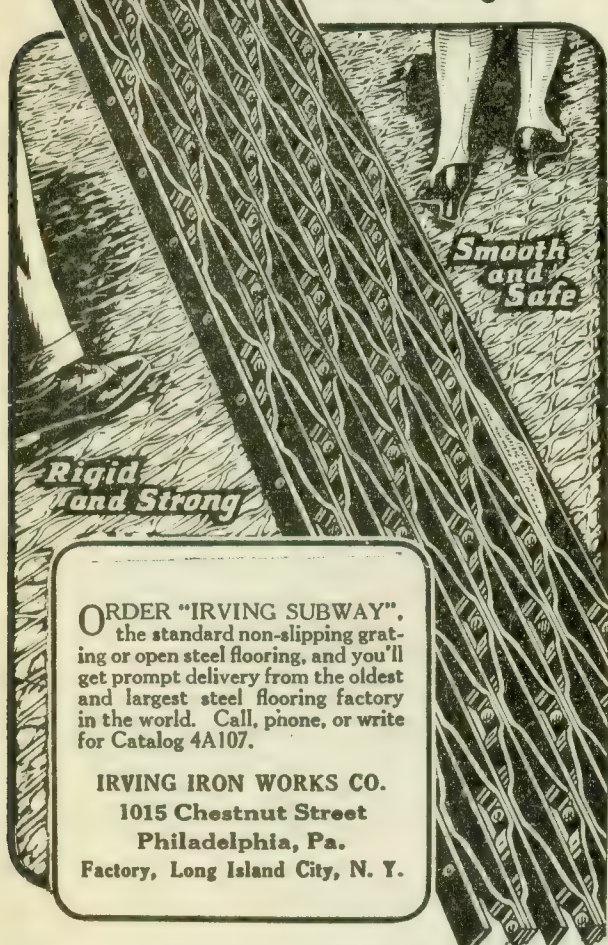
**ROOFING
AND
SHEET METAL WORK**

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**

R. Reese, Waymarth, Pa. Portland cement, sand, brick, terra cotta, furring, electric light, cut stone, concrete reinforced bars, lumber, carpentry, mill work, steel work, grills, miscellaneous iron work, plastering, painting, glazing, plumbing, heating, ventilating, fire hose, hardware and workmanship. Deposit, \$10, refunded. Owners taking bids due November 4th at noon.

Sewers and Sewage Disposal Plant, Northampton, Pa. Engineers, L. J. H. Grossart and L. Phaon Grossart, 816 Chew street, Allentown, Pa. Owners, Borough of Northampton, R. M. Kiechel, secretary of Town Council, Northampton, Pa. Construction of sanitary sewers, house connections and sewage disposal plant in Borough of Northampton. Certified check, \$2,500. Deposit, \$25, refunded. Owners taking bids due November 3rd at 7.30 P. M.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Low bids received October 14th.

Mifflin County, A-4528, Burnham Borough. One course reinforced concrete. J. B. Trexler, Lewistown, Pa., \$62,549.50.

Jefferson County, R-61, Sec. 1, Warsaw Township. One course reinforced concrete. D. W. Challis & Sons, Sewickley, Pa., \$193,650.25.

Fayette County, A-4270-1215, German and Nicholson Townships. One course reinforced concrete. Blue Ridge Const. Co., Uniontown, Pa., \$85,639.74.

Armstrong and Indiana Counties, A-273-274, A-5012, South Mahoning Township, Cowanshannock Township. One course reinforced concrete. Minns Brothers, DuBois, Pa., \$53,390.97.

Perry County, R-122, Madison Township. Grading and drainage. J. M. Hutchinson, Altoona, Pa., \$34,325.20.

Crawford County, R-200, 248, A-4790-5011, Richmond Township. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$116,193.86.

Stores (4), Apartments, Lansdowne, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, August Heller, Lansdowne, Pa. Plans completed, ready for bids.

Apartment House, Bryn Mawr, Pa. Architect, H. H. Kline, Bulletin Building, Philadelphia. Owners, Maple Crest Apartments Co., F. B. J. Branagan, National Bank of North Philadelphia Building, Philadelphia. Brick, cut stone, steel, three stories and basement, 174x103 feet, slag roof, cement, oak and pine floors, elevators, cast stone, ornamental iron work, bond, metal lath, tile work, electric light, steam heat, oil burners. Owners taking bids, due November 1st.

Pennsylvania

Contracts Awarded

Theatre, Reading, Pa. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Franklin Amusement Co., Reading, Pa. Brick, steel, concrete, 1 story, 85x220 feet, cement floors, steam heat, electric light, metal lath, tile, marble and terrazzo work. Contract awarded C. H. Schlegel, Reading, Pa., who is taking sub-bids due at once.

Hegins Township High School, Valley View, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Hegins Township School Board, R. E. Bossler, Valley View, Pa. Brick, reinforced concrete, steel, 2 stories and basement, 230x127 feet, wing 119x50 feet, cement, maple and composition floors, hollow tile, roof ventilators, integral waterproofing, cast stone, ornamental iron, iron stairs, metal doors, steel sash and skylights, metal lath. Contract awarded to C. M. Thompson Co., Towanda, Pa. Plumbing and heating to R. Schwalm, Valley View, Pa. Electric to J. Luther Trum, Penbrook, Harrisburg, Pa.

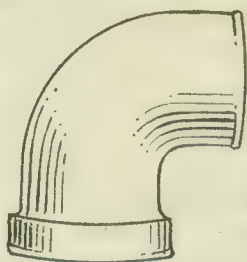
Home, Third street, Harrisburg, Pa. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Orioles' Home Association, R. L. Bingham, 1631 Hunter street, Harrisburg, Pa. Fireproof, 3 stories, 80x80 feet, composition roof, rubber tile floors, hollow tile, dumb waiters, dampproofing, brass pipe, iron stairs, steel sash, tile, metal lath. Contract awarded S. W. Shoemaker & Son, 421 Walnut street, Harrisburg, Pa. Plumbing and heating, Herr Brothers, Seventh and Emerald streets, Harrisburg, Pa. Electric, D. M. Davis & Son, Harrisburg, Pa.

Garage (add.), 30-48 Cameron street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, A. H. Schaffer, on premises. Fireproof, 2 stories, 60x152 feet, slag roof, concrete floors, electric work, steel sash and skylights. Contract awarded to C. W. Strayer, Sixth and Division streets, Harrisburg, Pa.

Residence, North Second street, Harrisburg, Pa. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owner, Thomas Caldwell, 15 South Third street, Harrisburg, Pa. Brick, 2½ stories, 37x72 feet, slate roof, hardwood floors, caststone, bluestone, area gratings, tile and marble, oil burners. Contract awarded H. A. Hipple, 2545 North Front street, Harrisburg, Pa.

Country Club, York, Pa. Architects, J. A. Dempwolf, Cassatt Building, R. A. Stair, Guardian Trust Building, and Edward Leber, Hay Building, York, Pa. Owners, York Country Club, O. E. Smith, president, York, Pa.

Clausen Service—



Means Courtesy and Promptness in supplying you with

TERRA COTTA

FLUE LINING WALL COPING SEWER PIPE

William H. Clausen

Columbia 6526-6527 27th and Diamond Streets, Philadelphia Park 4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Stone, stucco, 2½, 1 and 2 stories, 144x84 feet, tile roof, maple floors, vapor heat, electric light, tile and marble, steel sash, ornamental iron. Contract awarded Hess Brothers, Grantley and Kings Mill road, York, Pa.

Residence (add.), Haverford, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, J. Barnes, on premises. Stone, 2 stories, slate roof. Contract awarded W. D. & H. T. Smedley, Narberth, Pa.

Residence and Office (alts. and add.), Glenside, Pa. Architect, Robert C. Martin, 112 South Sixteenth street, Philadelphia. Owner, Dr. George T. Faris, Glenside, Pa. Brick, frame, 1 story and basement, 20x50 feet, shingle roof, oak and ipne floors, tile work, hot water heat. Contract awarded A. Heckman, Glenside, Pa.

Church (add.), Royersford, Pa., \$50,000. Architect, M. C. Dechant, 632 Washington street, Reading, Pa. Owners, First Reformed Church, A. O. Bartholomew, Royersford, Pa. Stone, 1 story, 50x80 feet, slate roof, hardwood floors, electric light. Contract awarded F. H. Wilson, Upper Darby Post Office, Pa.

Fraternity House, State College, Pa. Architect, H. Y. Shaub, 20½ North Queen street, Lancaster, Pa. Owners, Phi Kappa Sigma Fraternity, R. Cummings, secretary, State College, Pa. Stone, 3 stories and loft, 120x100 feet, slate roof, hardwood floors, ornamental iron, tile and marble, steam heat, electric light. Contract awarded State College Const. Co., State College, Pa.

Residence (alts.) to Apartment, State street, Harrisburg, Pa. Architect, private plans. Owner, Dr. Zimmerman, care of builder. General alterations, hardwood floors. Contract awarded H. A. Hipple, 2945 North Front street, Harrisburg, Pa.

Cutting Building, Myerstown, Pa. Architect, C. J. Young, 226 North Sixth street, Reading, Pa. Owners, S. Liebovitz & Sons, Inc., 75 Leonard street, New York. Brick, steel, 1 story, 65x295 feet, Barrett roof, wood or concrete floors, vapor heat, steel sash, metal skylights, kalamein doors, cast stone. Contract awarded J. H. Greiner Co., 827 Walnut street, Lebanon, Pa.

Clinic Building, Sayre, Pa., \$150,000. Architects, Ellerbe & Co., Endicott Building, St. Paul, Minn. Owners, Robert Packer Hospital, H. E. Bishop, superintendent, Sayre, Pa. Brick, 4 stories. Contract awarded to Lowman Const. Co., Elmira, N. Y.

Residence (alts.), Villanova, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, Barclay McFadden, on premises. General alterations. Contract awarded J. Morris Rossiter, Wayne, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Butler County, R-4544, Winfield Township. Penetration surface course on reconstructed stone base course. Contract awarded to Jones Const. Co., Bealleville, Pa., \$109,663.

Venango County, R-205, Cornplanter Township, Rouseville Borough. One course reinforced concrete. Contract awarded to Milliron Const. Co., DuBois, Pa., \$31,688.58.

Warren County, A-4014, Brokenstraw Township. Bituminous surface treated macadam surface course. Contract awarded Jamieson & Knapp Co., Fredonia, Pa., \$113,316.61.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Westmoreland Count, A-320-321, Salem Township. One course reinforced concrete. Contract awarded to M. J. McMahon, DuBois, Pa., \$95,583.20.

New Jersey Construction News

Apartment House and Store, 35-37 West State street, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Daulton Realty Co., care of architect. Brick, steel, 3 stories, 90x34 feet, slag roof, hardwood floors, oil burners, electric light, tile work, iron stairs, cinder concrete block. Plans in progress.

Laundry and Garage, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, Louis Hockman, 1409 Greenwood avenue, Trenton, N. J. Brick, steel, concrete block, 1 story, 50x200 feet, 18x70 feet, slag roof, concrete floors, roof ventilators, laundry equipment, fire doors, steel sash, electric light. Plans in progress.

Residence and Garage, Vineland, N. J. Architect, C. C. Cassell, Millville, N. J. Owner, Dr. Dare, care of architect. Brick, stone, stucco, 2½ stories, 50x65 feet, irregular, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Parochial School, Camden, N. J., \$200,000. Architects, H. D. Dagit & Son, 1329 Race street, Philadelphia. Owners, St. Joseph's Roman Catholic Church, Camden, N. J. Brick, 2 stories, 100x200 feet, slate roof, maple floors, vapor heat, electric light, tile work, auditorium and 20 class rooms. Plans about completed. Ready for bids in 10 days.

Camden Plaza Hotel and Club House, Stores (6), Fifth and Cooper streets, Camden, N. J. Associate architects, Edwards & Green, Camden; C. Howard Crane, Detroit, Mich.; J. V. Saner, New York City. Owner, M. M. Robinson, 575 Fifth avenue, New York. Brick, steel, limestone, cut stone, 6 stories, steam heat, electric light, tile and marble work, rolled steel sash, fire doors, elevators, swimming pool, gymnasium. Ownr will build and is subletting.

Viaduct, Embankment and Paving, Section 13, Route 1 Extension, Newark, N. J. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Bridges, retaining walls and other structures of steel, masonry, rein-

forced concrete with necessary foundations, making of embankments. Lowest bidder: New Jersey Asphalt & Paving Co., Union City, N. J., \$965,666.

Company "C," 104th Regiment Engineers, Armory, Dumont, N. J. Architects, J. O. Hunt

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue

West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

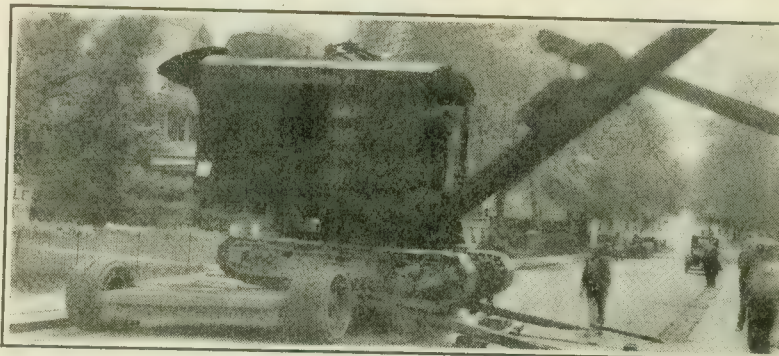
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

**GENERAL
CONTRACTING CO.**

**68th Street and Greenway Avenue
Woodland 8862**

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

and H. A. Kelly, Hunt Building, Trenton, N. J. Owners, New Jersey National Guards, Departments of Institutions and Agencies, Trenton, N. J. Hollow tile, stucco, limestone, steel, 1 story and basement, 100x71 feet, slag roof, cement and maple floors, hollow tile, metal window guards, waterproofing and dampproofing, bluestone, bond, steel sash, tile and marble, metal lath, metal toilet partitions, art stone. Lowest bidders: Hunter & Shropshire, 20 South Fifteenth street, Philadelphia, \$43,500. Plumbing, John Boyd Plumbing & Heating Co., 100 West Seventy-second street, New York City, \$5,175. Heating, Frank Farrell, Newark, N. J., \$6,210. Electric, Mercer Electrical Co., 338 South Broad street, Trenton, N. J., \$1,851.

Residences (13), 316-40 Boyd street, Camden, N. J., \$4,000 each. Architect, private plans. Owner, William G. Mummaw, 301 Morse street, Camden, N. J. Brick and block, two stories, 16x40 feet, asphalt roof, hot water heat, electric light. Permit issued.

New Jersey Contracts Awarded

Stores and Apartments (2), Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, M. Seidelman, care of architect. Brick, steel, 2 stories, 25x80 feet, slag roof, maple floors, electric light, tile and marble, dampproofing. Contract awarded Cecil Griffith, 232 South Cook street, Trenton, N. J.

Kruser School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, Greenwood avenue, Trenton, N. J. Fireproof, 2 stories, 8 rooms, 132x88 feet, slate roof, maple floors, safety treads, roof ventilators, iron stairs, skylights (heating, plumbing and electric separate). Contract awarded to J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Factory, Vineland, N. J. Architect, C. C. Cassell, 1100 Main street, Millville, N. J. Owners, Lucas Kil-Tone Co., Vineland, N. J. Brick, 2 stories add., 40x100 feet, tin roof, maple floors, rolled steel sash, ornamental iron work, bond. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

School (add.), 409-11 Spruce street, Camden, N. J., \$22,000. Architect, private plans. Owners, Mt. Carmel Roman Catholic Church, Rev. Bernard Shea, Fourth and Spruce streets, Camden, N. J. Brick, second and third floor adds., 37x100 feet, slag roof. Contract awarded to Thaddeus Borz, 1166 Chase street, Camden, N. J.

Store Building, 824 North Seventh street, Camden, N. J., \$2,200. Architect, private plans. Owner, Virginia Kitchen, 824 North Seventh street, Camden, N. J. Block, 1 story, 14x25 feet, slag roof, pine floors, electric work. Contract awarded John C. Gibson, 527 Cooper street, Camden, N. J.

School, Waterford Township, Camden County, N. J. Architects, Edwards & Green, 548 Federal street, Camden, N. J. Owners, School District, C. Wassmuth, Waterford Township, N. J. Reinforced concrete, brick, cut stone, 1 story and basement, 56x71 feet (plumbing, heating, electric separate), slate roof, asbestos shingle roof, pine and cement floors, hollow tile, metal lath, kalamein doors, bond, ornamental iron work, metal ceilings, waterproofing and dampproofing, cast stone. Contract awarded Watson Schleinkofer, Atco, N. J., \$21,881.21. Electric, Joseph Cozzi, care of architects, \$636.70. Plumbing, C. H. Leopold, 1466 Haddon avenue, Camden, N. J., \$274. Heating and ventilating, H. Knecht, West Collingswood, N. J., \$3,098.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Shore Relief Route, Revision of Route 4, from Shark River to Asbury avenue, Monmouth County. Contract awarded to Edward H. Ellis, Wilson Building, Camden, N. J., \$284,208.50.

Nurses' Home (add.), Lakeland, N. J. Architects, A. H. Moses and W. Mayo, Camden, N. J. Owners, Board of Chosen Freeholders, W. P. Cotter, Camden, N. J. Contract awarded C. S. Moses, Edgewater Park, N. J., \$37,144. Heating, S. W. Peters, Woodbury, N. J., \$2,885. Plumbing, S. W. Peters, Woodbury, N. J., \$3,410. Electric, E. R. McMahon, Woodbury, N. J., \$1,105.

Office and Apartment Building, 410 Kaighn avenue, Camden, N. J., \$12,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, N. U. Katz, 225½ Kaighn avenue, Camden, N. J. Brick and block, two stories, 16x76 feet, slag roof, hot water heat, electric light. Contract awarded S. Levy, 1214 Kaighn avenue, Camden, N. J.

Factory, 631-33 North Twenty-fifth street, Camden, N. J., \$10,000. Architect, private plans. Owners, Pougst & Jones, 341 North Forty-first street, Camden, N. J. Block, one story, 38x80 feet, slag roof, electric light. Contract awarded Henry F. Bowman, 1047 Beidenman avenue, Camden, N. J.

Building (add.), 1 Leonard avenue, Camden, N. J., \$6,200. Architect, private plans. Owner, Anne D. Dupuy, care of builder. Brick, one-story addition, 6x14 feet, 14x35 feet, slag roof. Contract awarded John C. Gibson, 527 Cooper street, Camden, N. J.

Residences (7), 1146-48-52-54-56-58-60 Magnolia avenue, Camden, N. J., \$4,000 each. Architect, private plans. Owners, Milash Building Corp., 333 Arch street, Camden, N. J. Brick, two stories, 18x42 feet, 18x34 feet, slag roof, hot water heat, electric light. Contract awarded Lawrence J. Robinson, 107 Westmont avenue, Haddonfield, N. J.

Sore (add.), 438 South Third street, Camden, N. J., \$3,000. Architect, private plans. Owner, A. D. Waronker, 538 South Third St., Camden, N. J. Block, two-story addition, 14x50 feet, slag roof. Contract awarded Vincenzi Imbesi, 2911 Congress Road, Camden, N. J.

Residence (add.), 408 Cherry street, Camden, N. J., \$2,500. Architect, private plans. Owner, John Tortella, on premises. Brick, two stories, 13 feet 6 inchesx28 feet, slag roof. Contract awarded Vincenzo Di Minno, 312 Cherry street, Camden, N. J.

Miscellaneous Construction News

Apartment Building and 80 Residences, location withheld. Architect, Sol Kaplan, 10 South Eighteenth street, Philadelphia. Owner, care of Edward Abrams, City Center Building, Philadelphia. Sketches drawn. Work contemplated.

Church, Morgantown, W. Va. Architects, Davis, Dunlap & Barney, 1809 Walnut street, Philadelphia. Owners, Morgantown Baptist Church, Morgantown, W. Va. Brick, limestone, alternate marble. Forman & Putnam, Marietta, Ohio, taking sub-bids.

Garage (alts. and add.), Wilmington, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, A. I. DuPont, Delaware Trust Building, Wilmington, Del. Porch enclosure, copper roof, cement and limestone floors, hollow tile, tile work, general alterations, wrought iron. Owner taking sub-bids.

Crew House, Cherry Island, Md. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, A. I. DuPont, Delaware Trust Building, Wilmington, Del. Frame, 1 story, 42x56 feet, shingle roof, yellow pine floors, electric light, tile work. Owner taking sub-bids.

Residences (5), Garage (1), Boulevard, between Twenty-seventh and Twenty-eighth, Wilmington, Del., \$50,000. Architect, private plans. Owner, Peter W. Newell, 801 West Ninth street, Wilmington, Del. Stone, brick, 2½ stories, 24x31 feet, 8x13 feet, slate and tile roof, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Residence and Garage, 2808½ Boulevard, Wilmington, Del., \$9,000. Architect, private plans. Owner, S. Tobasso, Pennyhill, Del. Brick, 2½ stories, 26x36 feet, 11x9 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Miscellaneous Contracts Awarded

Administration Building, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owners, Wilmington and Brandywine Cemetery, care of architect. Brick, 1 story, 33x41 feet, slag roof, oak and terrazzo floors, hollow tile, metal window guards, terra cotta, iron fence, tile and marble, hot water heat, electric light. Contract awarded J. E. Healy & Son, 707 Tatnall street, Wilmington, Del.

Golder Construction Company, Builders, have opened new offices at 1600 Arch street, Philadelphia.

TALL BUILDINGS AID CITY GROWTH

*Commissioner George Henry Payne
Defends Skyscraper Against
Attack*

Considerable interest has been evoked in New York by the article on the Skyscraper written by George Henry Payne, Commissioner of Taxes and Assessments, New York City, President of the Committee of American Business Men, and author of the History of Journalism.

Commissioner Payne considers the skyscraper as one of the glories of America, and is opposed to the plans that some civic bodies in the East are now urging.

The Commissioner writes:—

Somewhere Viscount Morley, one of the most profound of modern thinkers, has stated that a difficulty with most politicians is that when discussing one subject they are generally thinking of something else. The type is familiar but is not confined to politicians. Many of those who today are denouncing the skyscraper are really using it only as a means for condemning traffic conditions that are not traceable to tall buildings but to our own neglect in providing for increased population.

No one will deny the noble impulses of the highly indignant old gentleman who rushed up to a stranger walking along with a little boy with a bleeding

nose and denounced him for beating his son. Unfortunately the child was not the son of the man who had him in charge nor had he been beaten and the reluctant boy who had bumped his face on the sidewalk was being dragged to a drug store for the purpose of administering, not castigation, but courtplaster.

Is it not time that someone did something to save the skyscraper? Not one single word would any one say against the integrity and the high-mindedness of those who wish to remedy the problem of congestion or who wish to make this City more livable, but is not the skyscraper being blamed for ills for which it is not responsible?

If it were possible to remedy the mistakes that would be made if those who are against the skyscraper had their way, one might view their activities as harmless, with the knowledge that time, after all, rectifies all things and that nature and progress work out to logical laws, even for illogical men. But unfortunately, if illogical laws are made, that restrict and bind a great City, generation after generation suffers, and in some cases, restrictive laws brought about by perfectly honest or misguided efforts become almost irrevocable.

Probably nothing is more unjust or more illogical than to blame the skyscraper for congestion. Becker in his "Gallus" shows us the impossible traffic conditions in Rome in the first century A. D. when funeral processions would clash with vegetable peddlers, and this has been the story of almost every great city and was the story of New York long before the skyscraper came. Old engravings of Fulton Street and Broadway in the pre-Civil War days show a traffic condition absolutely intolerable according to modern theories of movement.

It is as wrong to stop the building of skyscrapers, with reasonable restrictions, as it would be to regulate the number of people who should live in the City or who should work in it. It is not the building in New York that has produced traffic congestions; it is the character of modern traffic. Science has produced, in absolutely extraordinary numbers in twenty-five years an undreamt of type of vehicle within the means of the poorest people. How unfair it is to blame the skyscrapers for traffic congestion is shown by the fact that the greatest traffic is on Fifth Avenue where there are no skyscrapers and there is comparatively little traffic congestion in the Wall Street section which has many of them.

Everything that could be done, apparently, in the way of police regulation has been done to handle this curious problem which has suddenly been developed by modern progress. It is not too much to say that the New York police has shown

inventiveness in mitigating the evils but the main body of citizenry has devoted itself to trying to escape the problem by restricting buildings rather than facing the real task boldly. For years now we have all realized that the street car lines should give way to the more modern means of transportation—the bus. And we still have the street car with us and little of anything is being done to get the car lines off the streets.

I remember having a talk in 1910 with Mayor Gaynor about elevated streets at Fifth Avenue and Forty-Second and at several other points in the city where the congestion is impossible, and today the fact remains that there are only two places in the city where the elevated streets have been erected—one at Grand Central and one at Fordham Rd. in the Bronx. The success of these two overhead streets in relieving traffic congestion is everywhere admitted and it would be hard to imagine what the situation would have been if this plan hadn't been put into operation. Both of these points represented unusually serious problems in traffic congestion. Yet no one has claimed that traffic congestion either at Grand Central or Fordham Road had anything to do with tall buildings.

When we know that London has today a more serious traffic problem than New York and when we realize that London has no high buildings whatsoever, we must realize how far wrong some of our estimable citizens have gone in tying the tall building up with the problem of congestion. And in addition to this we should remember that London has a topographical advantage, over Manhattan inasmuch as in New York the main arteries of traffic are confined to a few running North and South whereas in London there are many as the spokes of a wheel.

Even with this great advantage there is a serious movement in London for not only elevated streets and subways for vehicular traffic but underground parking space for automobiles. This traffic problem in London is not a matter of the city government alone but a matter that Parliament itself is endeavoring to solve through a Royal Commission on which are the ablest traffic experts of Great Britain. One of the ablest of these experts, Lord Montagu of Beaulieu, declared only a few months ago that drastic remedies must be adopted immediately. He proposed, "overhead viaducts, underground tubes, a minimum speed of 10 miles an hour for all vehicles using streets during rush hours, barring of horses from such streets, escalators for pedestrians, underground parking places for motor cars and buses of a new type with six wheels and a bigger carrying capacity than any now used in London." He declared, also, that "no more tramway lines

must be built, but motor buses gradually must supersede tramways."

The American public should be grateful to the American architect and the American engineer for what they have done in the evolution of the skyscraper. Surely there is injustice in seeing any notable body of citizens turn sour over what is after all a notable contribution to our civilization.

GIVE SUN AND AIR A CHANCE IN YOUR PLANT

BY MORITZ KAHN

Of Albert Kahn, Incorporated, Detroit
Reprinted by special permission from
Factory, the Magazine of Management

It is only of recent years that there has been anything like a general recognition of the value of good lighting and ventilating as factors in economical production. Many manufacturers (and far too frequently, the designers of their buildings), who should be concerned in securing the best and most productive working conditions, have been quite indifferent to these important matters.

A poorly lighted and ventilated building has a depressing effect on workmen and reduces their physical efficiency, resulting in lessened output and loss to both the man and his employer. Furthermore, there is nothing more certain than that dark shops are sure to be carelessly kept, which in turn leads to careless workmanship and wastage of materials. Even the most modern mechanical equipment loses much of its effectiveness if the operators work under improper conditions.

In general, industrial buildings are divided into two distinct types—the multistory and the single story. The former must derive all of its natural light and ventilation from the sidewalls, although the top floor can, of course, receive additional light and ventilation from the roof. In a multistory building the floor height should be great enough to allow daylight to permeate the entire floor area. Conditions will vary in different localities, but generally it will be found that a floor-to-floor story height of 12 to 14 feet will allow proper lighting of buildings from 60 to 90 feet in width, providing the buildings are lighted on both sides. In any event, the area of the glass in the sidewalls should not be less than 22¼% of the floor area to be lighted.

Not less than 35% of the area of the windows should consist of openings with ventilator sash, and for the best results the ventilators should be in two lines—the lower for the admission of cold, fresh air, the upper for the expulsion of the warm, foul air.

Multistory buildings of large size will often have wings or units projecting

from the main building. The width of the courts between these units should be such as will make it possible to obtain good lighting and ventilating conditions. This width will vary from 40 feet for two-story buildings to 72 feet for six-story buildings.

Proper lighting and ventilating conditions can easily be obtained in single-story buildings. These structures, covering large areas, will obviously be lighted from the roof, because the wall area will be but a small percentage of the floor area. The north-light or saw-tooth type of roof held sway for a long period, but experienced factory designers have, for the past 8 or 10 years, abandoned this form of construction in favor of forms which permit the utilization of more efficient and more economical roof trusses.

The north-light roof does not rate high in lighting properties because it produces a glaring effect when looking towards the light, whilst there is a gloomy effect when looking away from the light. Contrasts of glare and gloom are detrimental because they produce eye-strain. Furthermore, effective ventilation of buildings having north-light windows can only occur when the wind blows in a certain direction, whereas the ventilation of the building should be entirely independent of this condition. Another objection to the northlight roof lies in the difficulty and cost encountered in constructing water-tight gulleys at the lower ends of the trusses.

As an alternative to the saw-tooth type of roof, the Aiken roof proves cheaper and offers better lighting facilities. The Aiken roof consists of a series of rectangular-shaped monitors with vertical standard sidewall sash. The light comes from both sides of the monitors and thus eliminates the objectionable glare of the north-light truss. From the ventilation point of view the Aiken roof is but little, if any, better than the north-light roof. But for ordinary manufacturing buildings, where there are no gases or fumes resulting from the manufacture, the Aiken roof will prove serviceable.

Probably the greatest single advance in roof construction lies in the development of that type known as the "butterfly" or double saw-tooth roof. This form of truss is like a wide letter M with sloping or vertical sides, or a combination of both. Such a roof construction admits the light on two sides of the monitor, thus eliminating the objectionable glare previously referred to and, at the same time, it proves very efficient from the ventilation point of view, because proper ventilation always takes place, irrespective of the direction of the wind.

The monitors in the "butterfly" type of roof are high in relation to the flat portions of the roof and the wind passing over them creates a draft similar to

that of a chimney, thus causing a vacuum which draws out smoke, gases, fumes, excessive heat, and foul air. Furthermore, the difference in height and weight of the air column under the "butterfly" truss and the column under the flat portion of the roof causes a natural circulation of the air within the building. The fresh air enters at the lower portion of the monitor and the foul air is expelled, or drawn out, in the upper rows of ventilators.

The cost of the "butterfly" roof construction is slightly greater than that of the Aiken roof, but in buildings like foundries, steel mills, glass-manufacturing plants, forge shops, heat-treat buildings and similar structures, the extra cost is well warranted. In many buildings of this class the equipment will consist of high machine-tools which can advantageously be placed under the high monitors. In such cases the monitors can be constructed so as actually to increase the useful cubic capacity of the building and there will be additional justification for the slight extra cost which must be incurred.

Continuous top-hung sash is the type used in the "butterfly" truss instead of sidewall sash, and the lower end of the sash swings out to form an umbrella, so to say, over the opening below. Because of this protection it is possible to leave top-hung sash of this type open continuously except in the most severe weather.

While on the subject of monitor sash, it is well to mention that in any large plant the sash should be mechanically or electrically operated so that the mere pressure of a button will automatically open or close large sections of the sash at one time. Unless such facility is given for the operation of the sash, the workmen will fail to open the sash when it should be opened, or, on the other hand, they will fail to close it when it should be closed. And proper conditions of ventilation will only result from the opening and closing of the sash at the proper times.

The whole subject of lighting and ventilation is of course tied up intimately with the decision as to whether the plant shall be a single or a multi-storied building. The manufacturer himself is best qualified to decide whether the single or the multistory type of building lends itself best to his particular process of manufacture and is most efficient from the standpoint of local economic considerations. His decision will be based upon:

- (1) The process of manufacture;
- (2) Cost of land;
- (3) Sufficiency of ground area;
- (4) Possibilities of future expansion of the business;
- (5) Comparative costs of building;
- (6) Relative importance of lighting and ventilation advantages.

Whether the manufacturer adopts the single or the multistory building, he should always bear in mind that daylight and fresh air cost nothing and should both be used to the greatest advantage.

WASHINGTON, Oct. 25.—The cost of construction rose during September, returning to the level it held last April, according to statistics compiled by the Associated General Contractors of America. The rise off-set two slight declines that occurred during the four preceding months. It was the first increase noted since March.

Higher prices commanded by concrete materials and common brick in several sections of the country were responsible for the increased cost, it is stated.

The average of wages entering into the cost of construction remained unchanged. September was the eighth successive month to pass without witnessing a variation of the wage average.

The average level of costs, embracing expenditures for both materials and wages, for the first nine months of this year is slightly above the average registered during the corresponding period of 1926. The average for the elapsed portion of the current year is exactly twice as great as the average registered for 1913.

By rising during September, the cost of construction strayed from the trends established in 1925 and 1926. Two years ago, the month of September saw a slight decline, while no change occurred between August and October last year.

A scale which places the 1913 average at 100 as its basis shows the September cost index number to be 201. September of last year registered 196.

Index numbers covering the cost average for other months of this year are: January, 197; February, 199; March, 201; April, 201; May, 200; June, 200; July, 199; August, 199.

Similar figures covering the prices paid for basic construction materials follow: January, 179; February, 181; March, 183; April, 183; May, 182; June, 182; July, 181; August, 181; September, 184.

Just remember this: Give out courtesy, kindness, patience and good-will, and you'll get them all back with compound interest. The men who deserve to rank in Class A do not chew the lint and fuss about the small misfits of life. To take what comes and forget the rest is wisdom. Let Braggo give the janitor the call, and the Hall Boys have it out with the Ashbox Inspector—you can't afford to soil your soil with small scraps. Fight on a big scale, or not at all. The folks who have trouble with ushers are always looking for trouble—and find it. Smile, old boy, smile!

Many a man would do a better job if he didn't know about putty.—Ex.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop. 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Delaware Ave. and Marlborough St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truseon Laboratories. 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son. Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truseon Laboratories. 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)
DeCou, Richard Co. 11th and Noble Sts., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.
Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard. 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company. Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.
Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard. 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50 N. 5th St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

BUILDERS' RISKS ARE MANY
but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

Insurance Company of North America

PHILADELPHIA

and the

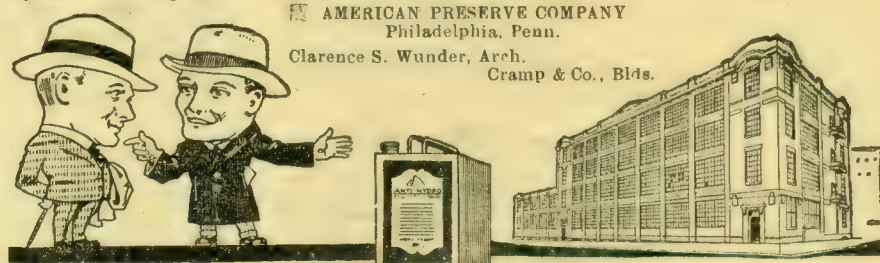
*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

These Preserving People Preserve Their Concrete Floors with "ANTI-HYDRO"

The concrete floor in the basement of this building is constantly subjected to the severe conditions peculiar to this industry. Yet "ANTI-HYDRO" has so thoroughly and permanently hardened the concrete that it is unaffected by acids, oil, water and wear.

"ANTI-HYDRO" is extremely easy and economical to use. Being a liquid, it mixes readily with the gauging water and through the concrete, insuring uniform strength and hardness to the concrete. It accelerates the set of cement, increases its strength and so enriches it that much of the finishers' time is saved and overtime work is eliminated.

For 23 years "ANTI-HYDRO" has been the accepted standard. Results are always permanent and results are what count. Use it on your next job.



AMERICAN PRESERVE COMPANY
Philadelphia, Penn.
Clarence S. Wunder, Arch.
Cramp & Co., Bldgs.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ANTI-HYDRO WATERPROOFING CO.
265-269 Badger Avenue - Newark, N. J.

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR
BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.
TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 44
November 2, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

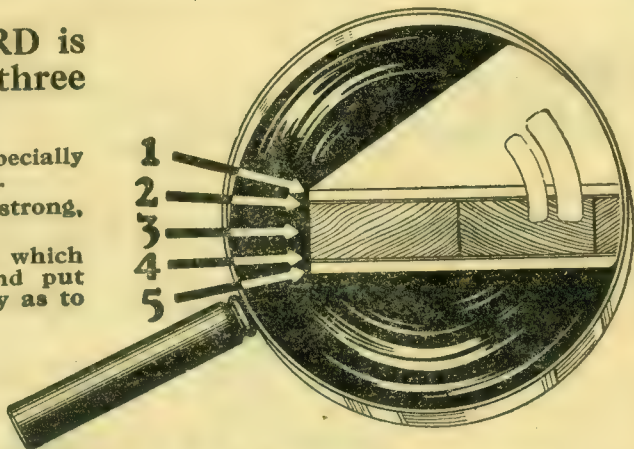
MANUFACTURERS OF

"P. G." Land Plaster	"P. G." Gypsum Partition Blocks
"P. G." Stucco	All Sizes
"P. G." Hardwall	"P. G." Roof Tile
"P. G." Wood Fibred Plaster	"Gyproc" Wall Board
"P. G." Plaster of Paris	"Gyproc" Joint Filler

"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.
Nos. 2 and 4 are a strong,
waterproof cement.
No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

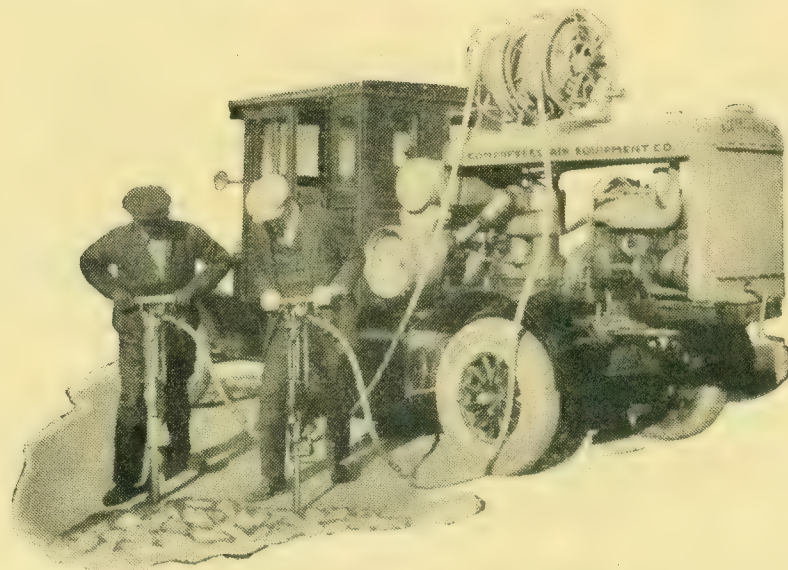
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Pennypacker 9540

Keystone—Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by *Welsbach*

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY

Gloucester City, New Jersey

—adjacent to Philadelphia

IRON and STEEL

Beams, Channels, Angles
Plates and Tees, Flats, Rounds
Squares, Bar Size Angles
and Channels

FABRICATED STEEL IRON BARS

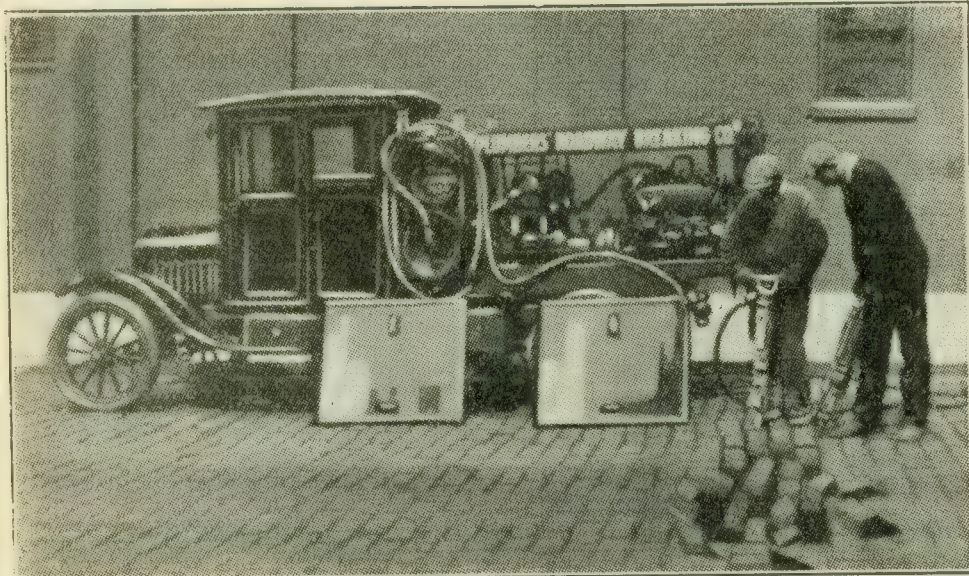
RICHARD DeCOU CO. Steel Warehouse

11th to 12th and NOBLE STREETS
PHILADELPHIA, PA.

Keystone, Race 7711

Bell, Poplar 8110

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

Excavating
Steel Erecting

Trench Work
Car Unloading



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM

4514 North Front Street

PHILADELPHIA, PA.

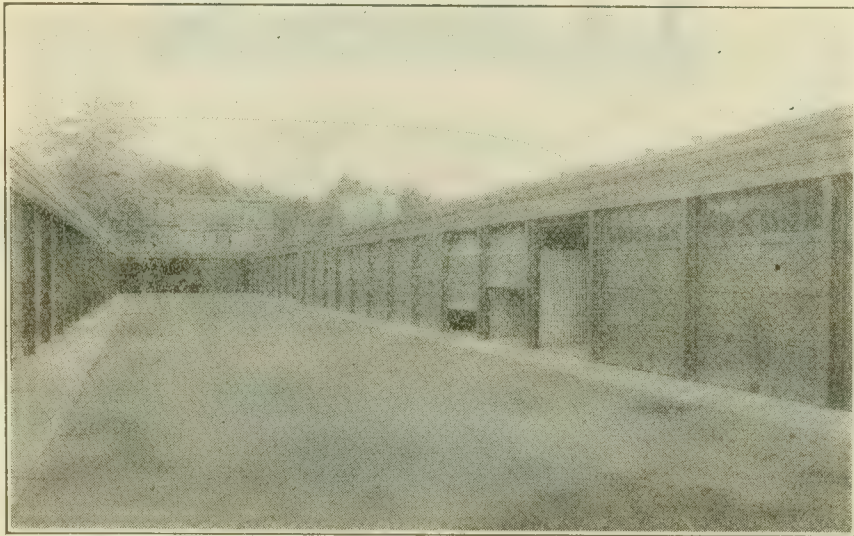
Keystone:
Park 2579

Bell:
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



78 Garages, Owned by Victor Levand
Catrokee and Pomona Streets, Germantown
Equipped with Overhead Doors, 26 of which Are of
the Latest Type

DISTRIBUTED IN EASTERN PENNSYLVANIA BY

**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

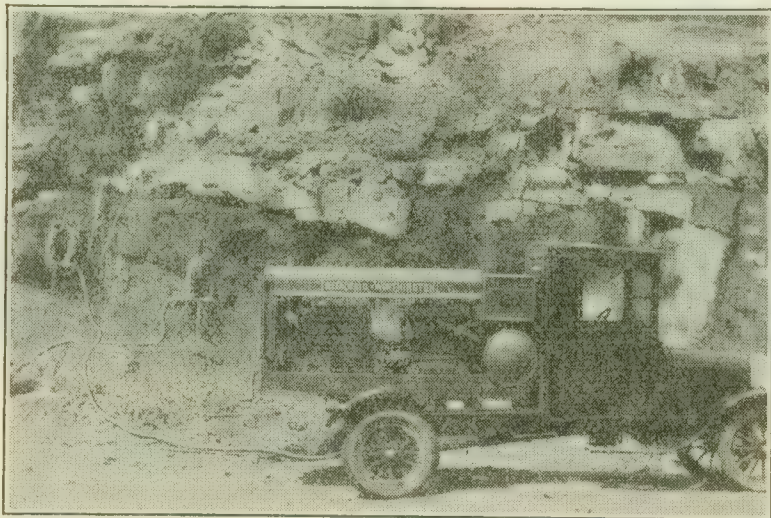
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 44

PHILADELPHIA
November 2, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Alterations and Addition, Southeast Corner Nineteenth and Arch streets, Philadelphia. Architect, C. E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, A. J. Bair & Son, on premises. Revistd plans in progress.

Garage and Show Room, Southwest Corner Seventh and Montrose streets. Architect, Herman Kline, Bulletin Building, Philadelphia. Owner, F. Balati, on premises. Brick, steel, 2 stories, 70x72 feet, cement floors. Plans in progress.

Office Building, Sixty-third, Haverford and Master streets, Philadelphia. Architect, private plans. Owners, Lincoln Realty Co., David Cordivari, 6423 Vine street. Brick, stone, steel, 4 or 5 stories, 32x105x110 feet. Work contemplated. Plans in progress.

Theatre, Stores and Offices, 7145 Germantown avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owner, A. H. Tourison, Jr., 7014 Boyer street, Philadelphia. Brick, steel, concrete, 1 and 2 stories, 109x176 feet, 1,800 seating capacity. Plans in progress. Contract to be awarded without competition. Sub-bids to be taken in two weeks.

Theatre, Fifth and Roselyn streets, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, H. Roy Whittaker, 726 Nedro avenue, Philadelphia. Brick, 1 story, 83x139 feet, slag roof, cement floors, steam heat, electric light. Owner taking sub-bids.

Apartment House, Tenth and Clinton streets, Philadelphia. Architect, private

plans. Owner, Harry Pearl, 625 South Sixty-third street, Philadelphia. Brick, cast stone, steel, 4 stories and basement, 40x120 feet, slag roof, oak floors, metal weather strip, metal ceiling, cast stone, incinerator, oil burners, electric light, metal lath, tile and marble work, rolled steel skylights, fire doors, ornamental iron work, area gratings. Work will be started November 5th. Owner will build. (Note correction.)

Apartment House, Northwest Corner Thirteenth and Chancellor streets, Philadelphia. Architect, Arthur W. Hall, Fifteenth and Locust streets, Philadelphia. Owner, Richard J. Selzer, Fifteenth and Locust streets, Philadelphia. Reinforced concrete, brick, cut stone, steel, 21 stories and basement, 117x47 feet, built-up roof, slag roof, cement and oak floors (plumbing, heating, electric reserved), metal lath, tile, marble and terrazzo work, metal weather strip, tin-clad and kalamein doors, bond, ornamental iron work, architectural terra cotta, cast stone, metal weather strip, sprinkler system, electric equipment. Architect taking bids due November 4th.

Residences (6), Parker avenue and Lawn-ton street, Philadelphia. Architect, private plans. Owner, Joseph McGlory, on premises. Brick and stone, 2 stories, 16x42 feet, tile and slag roof, hardwood floors, hollow tile, hot water heat, electric light, tile work. Owner taking bids due as soon as possible.

Stores (3), Apartments (4), Northeast Corner Fifteenth and Lombard streets, Philadelphia. Architect, C. M. Wells, Rutledge, Pa.

Owner, J. T. Gibson, Gibson Theatre, Broad and Lombard streets, Philadelphia. Brick, steel, 2 stories, 16x67 feet, slag roof, oak floors, hot water heat, electric light. Architect taking bids due as soon as possible.

Building (alts.), Southeast Corner Locust and Juniper streets, Philadelphia. Architect, Guy B. Johnson, 25 South Thirty-seventh street, Philadelphia. Owner, William J. O'Brien, 1033 Walnut street, Philadelphia. Limestone, brick work, plastering, marble work, carpentry and mill work, oak and pine floors, tile work, metal lath. Architect taking bids due as soon as possible.

Dormitories (2), Power Plant, Shalleross School, Byberry, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, steel, stucco (plumbing, heating, electric separate), pine and cement floors, slate and gypsum roof, power plant, 178x147 feet, 1 story, dormitories, 2½ stories, 120x73 feet. Owners taking bids due November 8th.

Basement (alts.), Ninth and Chestnut streets, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, on premises. Cement, plastering, concrete block, carpentry and mill work. Architects taking bids due as soon as possible.

Store Building (alts. and add.), 5615 Germantown avenue. Architect, A. H. Savery, 1309 Locust street, Philadelphia. Owner, C. A. Rowell, on premises. Slag roof, kalamein

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

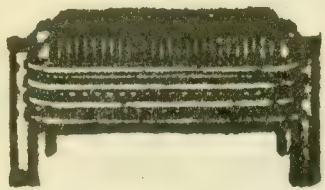
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard" ENAMELWARE

REPUBLIC BRASS ANACONDA BRASS PIPE

FLECK BROS. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

doors, maple floors, steel sash, cement work, carpentry and mill work, plastering, painting, glazing. Owner taking bids due as soon as possible.

Boiler House and Laundry Building, Pulaski avenue and Rittenhouse street. Engineer, S. A. Jellett, 1200 Locust street, Philadelphia. Owners, Manager for the Relief and Employment of Poor of Germantown, J. F. McClellan, on premises. Owners taking bids due November 11th, 7 P. M. Deposit, \$10. Certified check, 5 per cent. Furnish and install boiler and equipment, laundry equipment, plumbing, electrical equipment.

Miscellaneous School Work, Philadelphia. Owners, School District of Philadelphia, Board of Public Education, William Dick, secretary, Nineteenth above Chestnut street, Philadelphia. General construction, plumbing, sewage disposal, water supply, heating, ventilating, electrical work, machinery equipment, valves, electrical material, lighting fixtures, repairs to roofs, etc., various schools. Owners taking bids due November 8th at noon.

Supplies, Philadelphia. Owners, City of Philadelphia, Department of Supplies, E. J. Lafferty, Director, 312 City Hall, Philadelphia. Lumber. Owners taking bids due November 4th at noon.

Asphalt Plant, Hunting Park avenue and G street, Philadelphia. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Barber Asphalt Co., 1600 Arch street, Philadelphia. Stone, concrete, brick, rubble stone, various sizes. Plans in progress. Engineer will build.

Factory Building, Fiftieth street, North of Wynnefield avenue, Philadelphia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, Millard Bryan, care of architect. Owner taking bids.

Garage (add.), 2921-23 Clearfield street, Philadelphia, \$2,500. Architect, private plans. Owner, J. De Eugene, 3101 North Twenty-ninth street, Philadelphia. Brick, 1 story add., 34x100 feet, slag roof, cement floors. Permit issued.

Residences (65), Anchor street, East of Colgate street, \$216,500. Architect, private plans. Owners, Boardman & Smith, 1524 Chestnut street, Philadelphia. Brick, 2 stories, 16x25 feet, 10x10 feet, slag roof, hardwood and pine floors, hot water heat. Permit issued.

Residences (2), North side Disston street, West of Cottage street, \$9,000. Architect, private plans. Owner, A. J. Menchey, 551 Kerper street, Philadelphia. Brick, 2 stories, 16x20 feet, 17x28 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Apartment House, North side School lane, East of Wissahickon avenue, \$200,000. Owner, Louis M. Lifter, 709 Chestnut street, Philadelphia. Brick, 4 stories, 106x52 feet, slag roof, hardwood and pine floors, electric light, tile work. Permit issued.

Store and Okce, 5713-15 Germantown avenue, Philadelphia, \$30,000. Architect, H. G. Hammer, 1716 Spring Garden street, Philadelphia. Owner, Charles Manzi, 5713 Germantown avenue, Philadelphia. Brick, 3 stories, 39x90 feet, 15x19 feet. Permit issued.

Club (alts.), East side Baker street, North of Leverington street, \$8,000. Architect, private plans. Owner, Thomas S. Brown, on premises. General alterations. Permit issued.

Garage, 7037 Greenhill road, Philadelphia, \$4,000. Architect, private plans. Owner, W. Henry Elfreth, on premises. Brick, 2 stories, 36x24 feet, slag roof, cement floors, electric light. Permit issued.

Garage, 2314-16 West Hagert street, Philadelphia, \$15,000. Architect, private plans. Owner, Harry Connor, Twenty-third and Cambria streets, Philadelphia. Brick, 1 story, 40x108 feet, slag roof, cement floors, electric light. Permit issued.

Residence, West side Franklin street, South of Champlost avenue, \$3,000. Architect, private plans. Owner, Michael Drutt, 5047 North Eighth street, Philadelphia. Brick, 2 stories, 15x25 feet, 12x12 feet, slag roof, pine floors, electric light. Permit issued.

United States Custom House (alts.), Philadelphia. Owners, United States Treasury Department, Washington, D. C. Architect, James A. Wetmore, Washington, D. C. Low bidders: Schaffer Co., 1600 Arch street, Philadelphia, \$2,390; R. R. Gove, 1712 Ludlow street, Philadelphia, \$2,722.

Contract No. 182, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: Kaufman Const. Co., Pennsylvania Building, \$242,328; O'Neill Co., 127 East Mermaid lane, Philadelphia, \$243,143.50.

Miscellaneous Sewer Work, Philadelphia. Low bidders: Castor avenue, Benner to Devereaux street, Carson Brothers, 531 Wellsley road, Philadelphia, \$11,611. Cayuga street, Phillips to Third street, A. Ponterello, Philadelphia, \$2,632.50. Charles street, Princeton to Tipon, A. Ponterello, Philadelphia, \$4,764.20. Comley street, Colgate to Bingham, A. Ponterello, Philadelphia, \$4,518.80. Godfrey avenue, Third to Fifth, A. De Sandro, 6400 North Fifth street, Philadelphia, \$8,333. Levick, Frankford to Hawthorne, D. Delise, 4842 North Leithgow street, Philadelphia, \$5,216.25. Montague, Devereaux to Benner,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1837 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

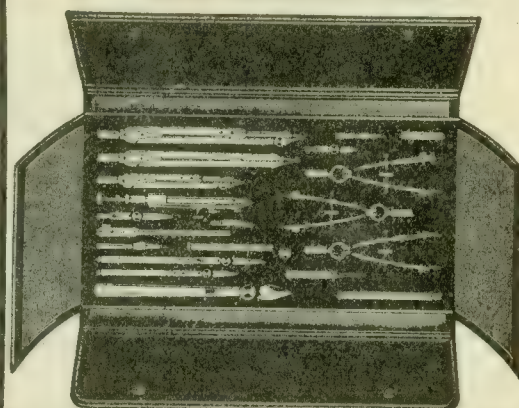
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED - Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

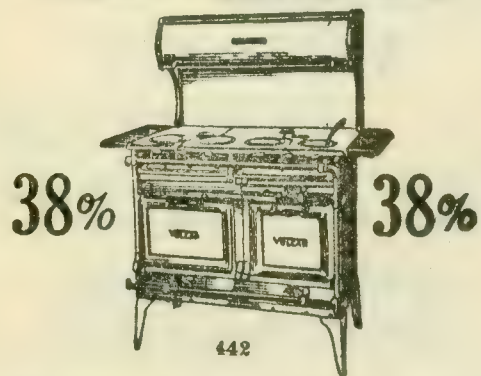
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

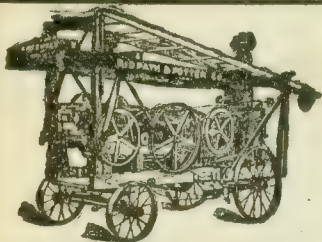
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

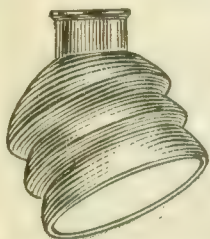


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

A. Ponterello, Philadelphia, \$4,203.45. Ruan street, Penn to Leiper, F. T. Buckius, Kensington and Deal street, \$4,700. Tabor, North of Comly to Benner, Jaffola & Marks, Magee, East of Oxford pike, \$64,267. Tabor, Sangor to Cheltenham avenue, M. J. Driscoll, 100 West Apsley street, Philadelphia, \$9,781.50. Packer, Delaware avenue, point 650 feet East, Mundy Paving & Const. Co., 226 South Warnock street, \$7,639.50.

Apartment House (alts. and add.), 1615-17 W. Dauphin street, Phila. Architect, R. R. Neely, 2301 Spruce street, Phila. Owner, J. L. Sanders, on premises. Brick, 2 stories and basement, 24x12 feet, slag roof, pine and cement floors, hot water heat, electric light, oil burners, metal lath, tile and marble work, bond, ornamental iron work. Owner taking bids due as soon as possible.

Apartment House, S. E. corner 69th and Chestnut streets, Phila. Engineers, T. F. Ginson Co., 20 S. 15th street, Phila. Architect, R. N. Dippy, 1601 Walnut street, Phila. Owner, Sixty-Ninth Realty Co., care of architect. Brick, steel, concrete, limestone, cut stone, 15 stories, 43x11 feet; 46x56 feet, steam heat, electric light, tile, marble, fire and kalamein doors, fire towers, iron stairs, cinder concrete block, slag roof, hardwood and composition floors, linoleum, elevators, incinerator, kitchen equipment, door beds, terra cotta.

Will be ready for sub-bids on revised plans in a few days.

Warehouse, 509-21 Glenwood avenue, Phila., \$30,000. Architect, private plans. Owners, Drehmann Paving & Construction Co., 508 Glenwood avenue, Phila. Brick, 2 stories, 132x37 feet. Permit issued.

Residences (2), 1125-27 Faunce street, Philadelphia, \$8,000. Architect, private plans. Owner, Joseph O'Vory, 7218 Oakley street, Phila. Brick, 2 stories, 14 feet, 6 inches by 38 feet 5 inches, slag roof, pine floors, electric light, hot water heat. Permit issued.

Apartment House, American and Chew streets, Phila. Architect, J. Ethan Fieldstein, Otis Building, Phila. Owner, J. Sarshik, 5335 Belfield avenue, Phila. Brick, 3 stories and basement, 20x90 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids.

Electric Refrigeration, Chesenwold and Oakmont Schools. Architects, Boyd, Abel & Gugert, Otis Bldg., Phila. Owner, Haverford Township School District, E. S. Moore, Haverford Township. Owner taking bids due Nov. 14th, at noon. Plans ready after Nov. 1st.

Residence (alts.), 2203 Spruce street, Phila. Architect, Wm. F. B. Koelle, Otis Bldg., Phila. Owner, C. E. Mildren, 1701 Spruce street, Phila. Architect taking bids due Nov. 5th.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Factory, Pennsylvania Railroad, Bridge, Tulip and Aramingo streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, J. Warren Watson Co., on premises. Brick, reinforced concrete, granite, limestone, 2 stories and basement, 84x207 feet (plumbing, heating, electric separate) (sprinklers separate), gypsum and slag roof, cement floors, hollow tile, safety treads, roof ventilators, cast stone, bronze work, ornamental iron work, rolled steel sash and skylights, floor hardener, bond, fire and kalamein doors, metal lath, marble work, insulation, metal partitions. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

New Toilet Rooms for Men, third to tenth floors, inclusive, Drexel Building, Fifth and Chestnut streets, Philadelphia. Architects,

Harris & Richards, Drexel Building, Philadelphia. Owners, Drexel Building, Fifth and Chestnut streets, Philadelphia. Marble work, wood work, plastering, cement floors, hardware, painting, glazing, gypsum block, tile work. Contract awarded F. A. Havens Co., 845 North Nineteenth street, Philadelphia. Electric, H. Eckstein, 1724 Sansom street, Philadelphia. Plumbing and heating, Boone & Sample, 3008 Ludlow street, Philadelphia.

Warehouse and Office Building, Swanson and Johnson streets, Philadelphia. Architect, Robert Dippy, Medical Arts Building, Philadelphia. Owners, Thomas Brothers, 1526 Washington avenue, Philadelphia. Brick, steel, 1 story, 40x120 feet, wing 40x84 feet, wing 40x40 feet, corrugated metal and Barrett specification roof, cement floors, metal lath, tile work, rolled steel sash, bond, cinder concrete block, John Mansville transit roof,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Contract awarded Max Haupt Co., 901 Walnut street, Philadelphia.

Alterations and Additions, 1632 Walnut street, Philadelphia. Architect, S. A. Love, Jr., Juniper and Walnut streets, Philadelphia. Owner, Mr. Fred J. Shoyer, Commercial Trust Building, Philadelphia. Shoring, brick work, hollow tile, cut stone, concrete and cement work, plastering, art limestone, tile work, structural steel, iron work, kalamein doors, bronze work, electric, steam heat, plumbing, painting, glazing, carpentry. Contract awarded William Steele & Son, Fifteenth and Cherry streets, Philadelphia.

Theatre, Fifth and Somerset streets, Philadelphia. Architects, Hodgson & Hill, 130 South Fifteenth street, Philadelphia. Owners, Fineman-Seltzer, Fineman, care of architects. Brick, limestone, steel, 1 story and basement, steam heat, electric light, tile work, metal lath, slag roof, cement floors, iron work. Contract awarded P. Haibach Contg. Co., 1261 North Twenty-sixth street, Philadelphia.

Office (alts.), 231-35 North Sixteenth street, Philadelphia, \$13,000. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Keystone Telephone Co., 135 South Second street, Philadelphia. Cement, concrete, brick, structural steel, gypsum roof, slag, ornamental iron, steel sash, fire doors, carpentry, mill work, plastering, painting, glazing, sheet metal, slag roof, metal ceilings, hardware, plumbing, electric work. Contract awarded to H. P. Schneider, 3713 Old York road, Philadelphia.

Sunday School, Lansdowne and Greenwood avenue, Philadelphia. Architects, Druckenmiller & Williams, Otis Building, Philadelphia. Owners, First Presbyterian Church of Lansdowne, Pa. Stone, brick, cut stone, steel, limestone, 2½ stories and basement, 84x52 feet, slate roof, oak, pine and cement floors, electric light, metal lath, tile and marble work, hollow metal sash, copper skylights, bond, floor hardener, iron work, iron pipe, dumb waiter, plumbing, oak, pine and cement floors. Contract awarded T. S. Fetter, 3312 Lancaster avenue, Philadelphia.

Loft Building, Northwest Corner Thirtieth and Race streets, Philadelphia. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owner, Benjamin Segal, Pennsylvania Building, Philadelphia. Brick, steel, concrete, 15 stories, 100x112 feet, slag roof, concrete floors, hollow tile, elevators, steam heat, electric light, metal lath, tile and marble work, rolled steel sash, ornamental iron work. Contract awarded Cramp & Co., Denckla Building, Philadelphia. (Note change.)

Store Building (add. and alts.), 5405-09 Chester avenue, Philadelphia, \$21,000. Architect, Robert W. Pollock, 8 South Hicks street, Philadelphia. Owner, Jules De Waelle, Jr., 1421 Chestnut street, Philadelphia. Stone, excavation, concrete, cement work, iron, slag roof, sheet metal, carpentry, mill work, oak floors, painting, glazing, electric work, hardware, tile work, plumbing, heating, brick, 2 stories add., 19x16 feet. Contract awarded Charles R. Davis & Son, 4729 Ludlow street, Philadelphia.

Store Building, West Maplewood street, Chestnut Hill, Pa. Architects, Harris & Richards, Drexel Building, Philadelphia. Owners, Chelton Trust Co., 5614 Germantown avenue,

Philadelphia. Brick, steel, limestone, 2 stories and basement, 58x80 feet, slag roof, cement and oak floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Contract awarded John Roman, 415 East Brighthurst street, Philadelphia.

Office Building, Tabor road, Philadelphia. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Stokes Machine Co., on premises. Brick, cut stone, steel, granite, 2 stories and basement, 91x47 feet, pine and composition floors, slag and built-up roof, vapor heat, electric light, metal lath, terrazzo work, copper skylights, fire doors, bond, iron stairs, ornamental iron work, wrought iron pipe, plumbing, hollow tile roof, ventilators, dampproofing, cast stone, linoleum floors, steel toilet partitions. Contract awarded J. E. Pennock, Land Title Building, Philadelphia.

Banking House, Northeast Corner Sixteenth and Locust streets, Philadelphia. Architects, Zantlinger, Borie & Medary, Otis Building, Philadelphia. Owners, E. W. Clark & Co., 321 Chestnut street, Philadelphia. Plans in progress. Contract awarded to Day & Zimmerman, 1600 Walnut street, Philadelphia. Ready for sub-bids in 3 months.

Store, 4827-29 North Eleventh street, Philadelphia, \$8,000. Architect, private plans. Owner, A. Leibovitz, 1112 Franklin Trust Building, Philadelphia. Brick, 1 story, 50x60 feet, slag roof, electric light. Contract awarded Edward C. Haldeman, 1112 Franklin Trust Building.

Store and Storage Building, Southeast Corner Thirty-fifth and Ainslie streets, \$7,000. Architect, private plans. Owner, William MacFadyen, 3413 Osmond street, Philadelphia. Brick, 2 stories, 20x65 feet. Contract awarded G. J. Edmunds, 3513 North Thirty-fifth street, Philadelphia.

Store and Apartment (alts.), 1644 Francis street, Philadelphia, \$4,000. Architect, private plans. Owner, D. Kazankian, Francis and Parrish streets, Philadelphia. General alterations. Contract awarded H. Hadjian, 3824 Market street, Philadelphia.

Store (add.), 830 Washington avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Epefano De Luca, 1043 South Ninth street, Philadelphia. Brick, 1 story add., 12x14 feet. Contract awarded to F. Luzzi, 821 South Percy street, Philadelphia.

Residence (add. and alts.), 4620 Frankford avenue, Philadelphia, \$2,800. Architect, private plans. Owner, Edward McKinley, 1318 Arch street, Philadelphia. Brick, 1 story add., 4x32 feet, general alterations. Contract

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

for your

GAS RANGE

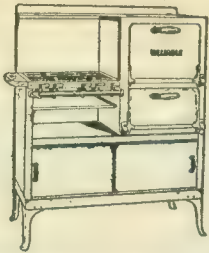
All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pa
equipment and Murphy cabinet in
well as samples of the Murp

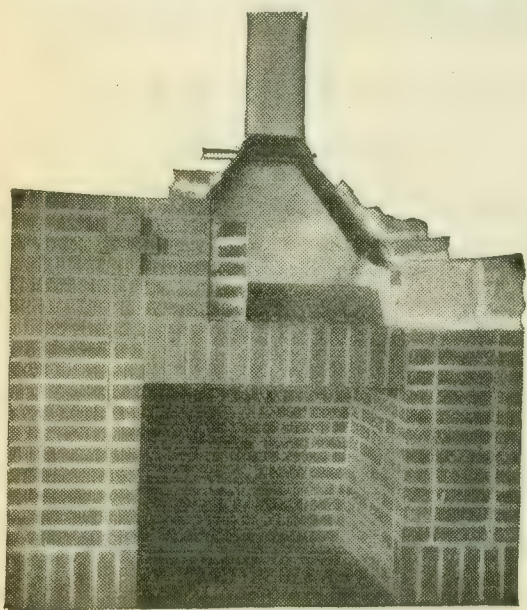
THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

THERE IS ONLY ONE IN-A-
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

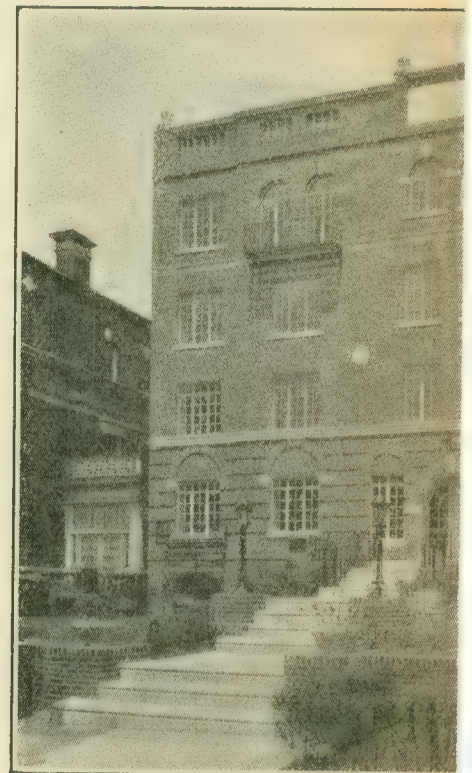
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature.

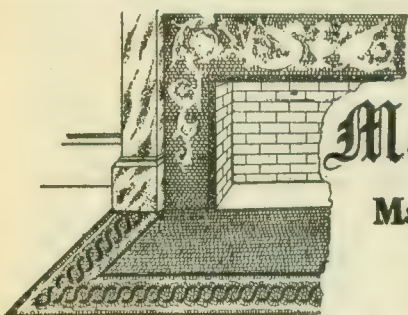


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

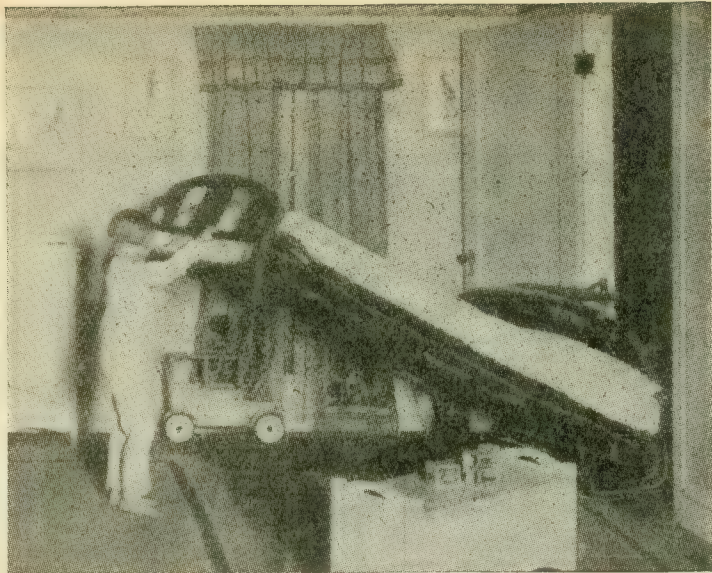
If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonete
produce the "shiny" appearance of paint. Stonetex loo

EDS

nes
ngs
all at our
in kitchen
boards as
eds

CO.
Building
44th Street
York
BED



A child can operate the bed

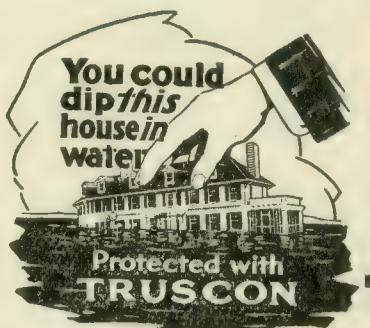
fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX
rfaces

cks are beginning to show,
g Truscon STONETEX.
nd the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
es flat. It does not
ce masonry.

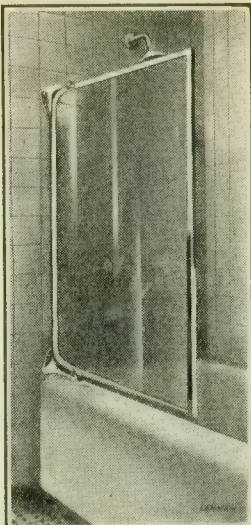


The Truscon
Laboratories

1505 Race Street
Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia
COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO that will satisfy the most particular.
CERAMICS
TILES

ROMAN MOSAIC & TILE CO., INC.
Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158 PHILADELPHIA, PA. Keystone—Main 5145

Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer
121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

awarded Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Storage Buildings (4), Southwest Corner

TRIDENT WATER METERS

For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

PILES, FOUNDATIONS CAISSONS

ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

ARROWHEAD STEEL GRATINGS

FRANK PETTIT ORNAMENTAL IRON WORKS

REGENT 9857

1505-15 N. Mascher Street, Phila.

PARK 4147-4148

E and Hunting Park avenue, Philadelphia, \$27,090. Architect, private plans. Owners, Barber Asphalt Co., North American Building, Philadelphia. Iron on iron, 1 story, 30x90 feet, 60x240 feet. Contract awarded to Blaw-Knox Co., Blawnox, Pa.

Residence, East side Sprague street, North of Gowen street, Philadelphia, \$18,000. Architect, private plans. Owner, John J. Schwake, 7217 Boyer street, Philadelphia. Brick, 3 stories, 30x48 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded R. M. Peterson & Son, 16 Queen lane, Philadelphia.

Manufacturing Building (alts. and add.), 102 East Mermaid lane, \$15,000. Architect, private plans. Owners, Yarnall-Waring, on premises. General alterations and addition. Contract awarded S. W. Kitselman, 125 East Upsal street, Philadelphia.

Bakery (add. and alts.), Northwest Corner Twenty-first and Arch streets, Philadelphia, \$11,900. Architect, private plans. Owners, Fleischman Bakery Co., on premises. Brick, 1 story add., 32x24 feet, general alterations. Contract awarded to William E. Hale, 1516 Summer street, Philadelphia.

Apartment, 1314 Bainbridge street, Philadelphia, \$8,900. Architect, private plans. Owners, Boshei-Steen, 1115 South street, Philadelphia. Brick, 3 stories, 17x64 feet, slag roof, hot water heat, electric light, hardwood and pine floors. Contract awarded Attorelli B. Const. Co., 1828 South Ninth street.

Bank (alts.), Northwest Corner Broad and Fairmount avenue, \$8,000. Owners, Northwestern National Bank, on premises. General alterations. Contract awarded A. Raymond Raff, 1635 West Thompson street.

Garage, West side Hancock street, North of Lehigh avenue, \$5,000. Architect, private plans. Owner, Thomas J. Turkington, 100 West Lehigh avenue, Philadelphia. Brick, 1 story, 50x100 feet, slag roof, cement floors. Contract awarded William Marriott, 2912 North Third street, Philadelphia.

Residence and Store (add. and alts.), 1813 South street, Philadelphia, \$5,000. Architect, private plans. Owner, William J. Crosson, 624 South Eighteenth street, Philadelphia. Brick, 1 story add., 16x15 feet, general alterations. Contract awarded Monroe Block, 1235 North Tenth street, Philadelphia.

Apartment House, Southwest Corner American and Chew streets, Philadelphia, \$14,000. Architect, private plans. Owner, Jacob Sarschik, 5609 Germantown avenue, Philadelphia. Brick, 3 stories, 20x69 feet, 20x20 feet, slag roof, hardwood and pine floors, electric light, tile work. Contract awarded to Jacob Sarschik, 5609 Germantown avenue.

Store, 1220 Vine street, Philadelphia, \$7,500. Architect, private plans. Owners, Anthony Sweeney & Co., Fox Building, Phila-

delphia. Brick, 2 stories, 18x85 feet. Contract awarded to Seaboard B. & C. Co., 23 Broadway, Camden, N. J.

Office (alts.), Southwest Corner Sixteenth and Chestnut streets, Philadelphia, \$20,000. Owners, General Refractories Co., on premises. General alterations. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

Gas Station, Northeast Corner Twenty-seventh and Bainbridge streets, \$5,000. Owner, Samuel Willig, 1907 North American street, Philadelphia. Contract awarded to Eldes Const. Co., 1907 North American street.

Storage Building (alts.), Richmond and Kennedy streets, \$3,000. Architect, private plans. Owners, Charles Lennig Co., on premises. General alterations. Contract awarded A. Raymond Raff Co., 1635 Thompson street, Philadelphia.

Residence, 617 W. Mt. Airy Ave., Phila., \$12,000. Architect, private plans. Owner, V. C. Southwath, Mayfair House, Lincoln Drive and Johnson street, Phila. Brick, 2 stories, 39x26 feet, hardwood and pine floors, hot water heat, electric light, tile work. Contract awarded Phister-Lancaster Co., 256 W. Washington Lane, Phila.

Pennsylvania Construction News

School (add., auditorium), North Wales, Pa., \$16,000. Architect, I. T. Catherine, Franklin Trust Building, Philadelphia. Owners, Board of Education, North Wales, Pa. Work contemplated.

Church, Sharpsville, Pa. Architects, C. W. Bolton & Son, Schaff Building, Philadelphia. Owners, Grace Reformed Church, Rev. G. T. Fisher, Sharpsville, Pa. Brick, 1 story, slate roof. Plans in progress.

School Building, Appollo Township, Armstrong County, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Appollo Township, Armstrong County, Pa. Plans completed.

School Building, Tredyffrin-Eastown (Berwyn), Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Tredyffrin-Eastown Joint School District, Berwyn, Pa. Plans completed.

Domestic Science Building, Norristown, Pa., \$5,000. Architect, E. Lane Crawford, Norristown, Pa. Owners, Board of Education, Norristown, Pa. Plans completed. Ready for bids.

Residence and Garage, Swarthmore, Pa. Architect, J. L. Conaroe, 1518 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 74x51 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, iron rails. Plans in progress.

Club House and Bungalow, Fort Washington, Pa., \$1,000,000. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, D. McLean, 603 Mutual Trust Building, Philadelphia. Stone, 3 stories and 1 story. Plans in progress.

School, Easton, Pa. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owners, School Board of Easton, R. E. Peiffer, secretary, Easton, Pa. Brick, 2 stories, 4 rooms, flat roof, maple floors, safety treads (heating, plumbing and electric separate). Owners will take bids about November 8th.

Dormitory (add.), New Bloomfield, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Carson Long Institute, T. K. Long, New Bloomfield, Pa. Fireproof, brick, steel, concrete, 3 sto-

ries, 40x60 feet, slate roof, maple floors, steam heat, electric light, metal lath, tile work, kalamain doors, iron stairs. Owners will take bids.

Apartments (15), Bethlehem, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Julius Goodman, 310 South Seventeenth street, Allentown, Pa. Brick, general interior alterations of building into 15 apartments, maple floors, tile work, electric work, steam heat. Owner about ready for bids.

Residence, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, K. B. Hess, 87 West Broad street, Bethlehem, Pa. Frame, stucco, 2½ stories, 28x35 feet, shingle roof, hardwood floors, vapor heat, electric light, metal lath, tile work. Plans in progress.

Store (add. and alts.), Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, Charles E. Goodenough, 534 Main street, Bethlehem, Pa. Brick, 1 story and basement, 27x7 5feet, slag roof, maple floors, heating extensions, electric light. Plans in progress.

Sunday School, Shamokin, Pa., \$60,000. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Salem Reformed Church, A. F. Dietz, Shamokin, Pa. Brick, 3 stories, 50x100 feet, slag roof, maple floors, vapor heat, electric light. Ready for bids in two weeks.

Auto Sales and Service Building, Hazleton, Pa. Architect, William J. Crichton, American Bank Building, Hazleton, Pa. Owners, Eidam Brothers, 319 West Spruce street, Hazleton, Pa. Architect about ready for bids.

Hospital, Pottsville, Pa. Architect, D. H. Grootenboer, School Trust Building, Pottsville, Pa. Owner, A. C. Milliken, 316 Mauch Chunk avenue, Pottsville, Pa. Architect will be ready for bids after January 1st, 1928.

School (alts. and repairs), Church and Oak street, Norristown, Pa. Architect, E. Lane Crawford, Norristown, Pa. Owners, School Board of Norristown, H. R. Kratz, Norristown, Pa. Deposit, \$10. Certified check, 5 per cent. Owners taking bids due November 18th, 4 P. M. Alterations and repairs, plumbing, heating and electric work.

Gym Building, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Board of Education, O. B. Hein, Reading, Pa. Brick, steel, cut stone, reinforced concrete, steel, 2 stories and basement, 242x95 feet (plumbing, heating, electric and ventilating separate), built-up roof, composition, cement and maple floors, hollow tile, safety treads, roof ventilators, metal lath, tile and marble work, rolled steel skylights, hollow metal doors, bond, floor hardener, ornamental iron work, area gratings, membrane and integral waterproofing. Owners taking bids due November 15th.

Moving Picture Theatre, Parsons, Pa., \$50,000. Owners, Comerford Amusement Co., George Morris, Superintendent of Construction, 207 Wyoming avenue, Scranton, Pa. Brick, 2 stories. Owners taking bids.

Silk Mill (add.), Bethlehem, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Twentieth Century Silk Co., Mr. Nathanson, Bishopthorpe and Cherokee streets, Bethlehem, Pa. Brick, steel, 2

stories, 100x150 feet, slag roof, factory maple floors, elevators, roof ventilators, fire doors, steel sash, heating extension. Owners taking bids.

Electric Automatic Oil Burner and Storage Tank, Eddystone, Pa. Owners, School District of Borough of Eddystone, W. W. Johnson, Jr., Eddystone, Pa. Owners taking bids due November 14th, 7.30 P. M. For supplying and installing oil burner.

Residence, Wayne, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, D. B. Lynch, Wayne, Pa. Brick, 2½ stories (plumbing, heating, electric separate). Architect taking bids due November 7th at noon.

Residence and Garage No. 2, Rosemont, Pa. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Thornbrook Dev. Co., Rosemont, Pa. Stone, 2½ stories, shingle roof. Architects taking bids due November 7th.

Sunday School, Coatesville, Pa. Architects, Ritter & Shay, Packard Bldg., Phila. Owner, Trinity Episcopal Church, Rev. A. A. Lamb, Coatesville. Stone, 1 story and basement, 31x60 feet, slate roof, cement and pine floors, electric light, metal lath, ornamental iron work. Owner taking bids due Nov. 4th.

Shop and Candy Manufacturing Building, S. Lansdowne avenue, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Phila. Owners, G. W. Tindall Co., on premises. Brick, 2 stories, 20x91 feet, slag, slate roof, maple, pine and mineral floors, cement work, leaded glass, metal partitions. Architects taking bids due Nov. 7th at noon.

Residence, Hill Crest, Pa. Architect, H. A. Sternfeld, Otis Bldg., Phila. Owner, H. F. Peixner, 3100 N. 22nd street, Phila. Stone, stucco, 2½ stories. Plans in progress.

Parsonage, Bethlehem Pike, Ambler, Pa. Architect, Wm. F. B. Koelle, Otis Building, Phila. Owner, The Artman Home for Lutherans, on premises. Architect taking bids due as soon as possible. A. Di Renzo, Bristol, Pa., figuring.

Court House (add.), Norristown, Pa. Architect, Rankin Kellogg, 1805 Walnut street, Phila. Owners, County Commissioners, Norristown, Pa. Plans in progress.

Construction of 30-inch Concrete Drain, Darby, Pa. Engineer, A. F. Damon, Jr., Upper Darby, Pa. Owner, Borough of Darby, E. R. Franklin, Darby, Pa. Owner taking bids due Nov. 7th. Certified check, \$500.

Theatre, Manoa, Pa. Architects, Hodgins & Hill, 130 S. 15th street, Phila. Owner, Wm.

Boyd, Manoa, Pa. Preliminary plans in progress.

Residence, Laverock, Pa. Architect, Samuel W. Marshall, 1524 Chestnut street, Phila. Owner, H. E. Shore, 5621 Germantown Ave., Phila. Owner taking bids.

**Get our Estimate when
Planning to Build
Especially in New Jersey**

WM. C. MAGEE

*Contractor and
Builder*

**315 Cattell Avenue
West Collingswood, N. J.**

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

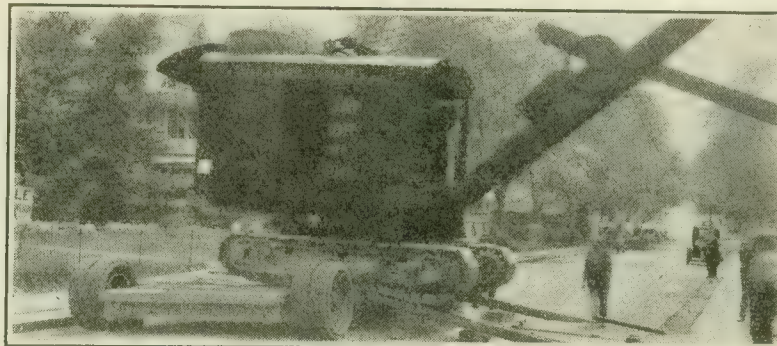
**TILE
MARBLE
MOSAIC
CERAMICS**

Camden Tile Co.

**1484 Bradley Avenue
CAMDEN, N. J.**

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

Pennsylvania Contracts Awarded

Dormitory, Penhurst, Pa. Architect, J. Bedford Wooley, 1935 Chestnut street, Philadelphia. Owners, Penhurst Farms, Dr. Dubler, care of Percival Roberts, Jr., Penhurst, Pa. Frame, 1 story, 45x25 feet, shingle roof, pine floors (heating, plumbing, electric reserved). Contract awarded H. L. McLimans, West Grove, Pa.

Cottages (2), Ithan, Pa. Architects, Walker

& Gillette, 128 East Thirty-seventh street, New York City. Owner, Charles Wheeler, care of architect. Frame and stucco, 2 stories and basement, 24x25 feet, shingle roof, warm air (as) heat, electric light, oak and pine floors. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Building, Narberth, Pa. Architects, The Stuckert Co., 1600 Arch street, Philadelphia. Owners, Garden Nurseries, Narberth, Pa. Cinder block, stucco, 1 story, 13x22 feet, shingle roof, cement. Contract awarded W. D. & H. T. Smedley, Narberth, Pa.

High School, Sayre, Pa., \$325,000. Architects, Randall & Veeder, 703 Sedgwick avenue, Syracuse, N. Y. Associate architect, Harry C. Child, Sayre, Pa. Owners, Sayre School Board, L. B. Sedden, Chairman, Building Commission, Sayre, Pa. Brick, steel, 2 stories (plumbing, heating, electric separate). Contract awarded C. M. Thompson, Towanda, Pa.

Wall and Fence (Roosevelt School), Norristown, Pa., \$1,142. **Paving and Curbs** (Rittenhouse Junior School), Norristown, Pa. Owners, School Board of Education, Norristown, Pa. Both contracts awarded to T. V. Smith, Norristown, Pa.

Dam, Loanna, Caernarvon Township, Berks County, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Excavation, drainage, conduit, 50 feet wide, reinforced concrete. Contract awarded Hyde & Wilcox, Real Estate Trust Building, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Jefferson County, R-61, Sec. 1, Warsaw Township. One course reinforced concrete. Contract awarded to D. W. Challis & Sons, Sewickley, Pa., \$193,350.25.

Fayette County, A-4270-1215, German and Nicholson Townships. One course reinforced concrete. Contract awarded to Blue Ridge Const. Co., Uniontown, Pa.

Armstrong and Indiana Counties, A-273-274, A-5012, South Mahoning Township and Cowanshannock Township. One course reinforced concrete. Contract awarded to Minas Brothers, DuBois, Pa., \$53,390.97.

Crawford County, R-200, 243, A-4790, 5011, Richmond Township. One course reinforced concrete. Contract awarded to J. C. Devine Co., Alliance, Ohio, \$116,193.86.

Northampton County, R-175, S-5, A-4915, Walnutport Borough. One course reinforced concrete. Contract awarded to Lincoln Const. Co., Strafford, Pa., \$40,981.12.

Butler County, R-387, Saxenburg Borough, Buffalo and Winfield Townships. One course

reinforced concrete. Contract awarded to State Const. Co., New Kensington, Pa., \$164,458.90.

Bedford County, R-222, Sec. 2 and 3, A-4855, West St. Clair Township, Pleasantville Borough. One course reinforced concrete. Contract awarded Brady & Shauls, Mechanicsburg, Pa., \$63,045.46.

Lebanon County, R-140, A-4885, East Hanover Township. One course reinforced concrete. Contract awarded to D. L. Risser, Lebanon, Pa., \$92,971.03.

Westmoreland County, A-346-347, Adamsburg Borough, Hempfield Township. One course reinforced concrete. Contract awarded to Yost Const. Co., Pittsburgh, Pa., \$86,291.30.

Residence and Garage, Els avenue and Cedar Road, Swarthmore, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Phila. Owner, W. Burton Richards, Swarthmore, Pa. Stone, cut stone, steel, 2½ stories and basement, 76x30 feet, variegated slate roof, oak, pine and cement floors, plumbing, dampproofing, flagstone, casement windows, ornamental iron, wrought iron pipe, cinder concrete block, celotex linoleum floors, vapor heat, electric light, metal lath, tile, marble work, rolled steel sash, bond. Contract awarded W. H. Eddleman, 453 Green Lane, Phila.

Convent (add.), Lansdowne and Wycombe avenue, Lansdowne, Pa. Owner, St. Philomena R. C. Church, Lansdowne, Pa. Stone, slate roof, hardwood floors, heating and lighting extensions, tile work. Contract awarded A. B. McGregor 1628 Vine street, Phila.

New Jersey Construction News

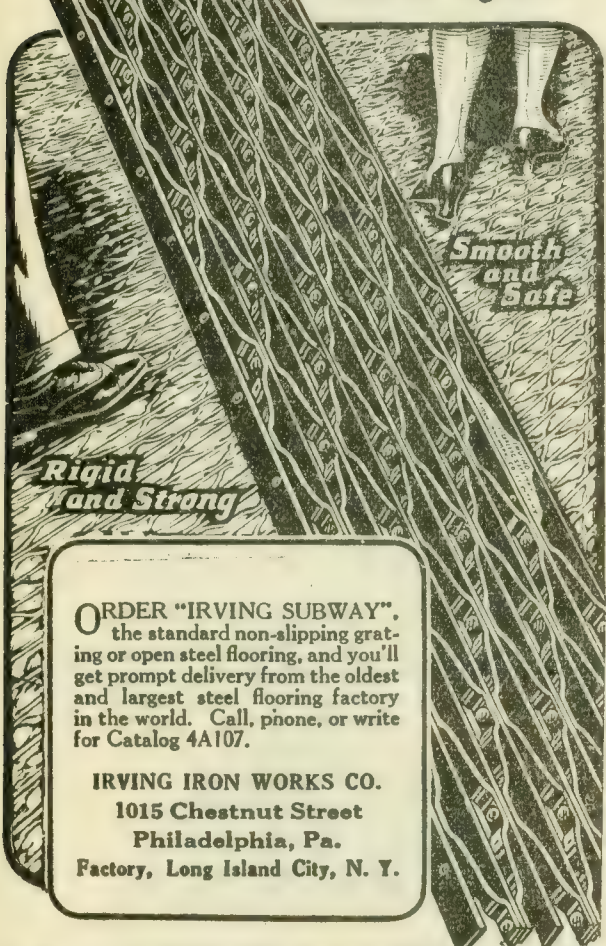
Cold Storage Plant, Kaighn avenue, Camden, N. J. Architects, Moore & Dunford, 110 East Forty-second street, New York City. Owners, Camden Rail & Harbor Terminal Corp., F. Cohen, Merchantville, N. J. Reinforced concrete, steel, 9 stories, 100x250 feet, 1 story, 80x100 feet, 2 stories, 40x52 feet, elevators, electric light. Plans in progress.

Mausoleum, Cove road and Burlington pike, Arlington Cemetery, N. J., \$200,000. Owners, Camden Mausoleum Co., H. Van Gunsten, Camden, N. J. Granite, bronze and marble, leaded glass. Work contemplated.

Hospital, Somers Point, N. J. Architect, L. L. Headley, 609 Eighth street, Ocean City, N. J. Owner, Dr. Frank Inksetter, Somers Point, N. J. Architect taking sub-bids.

Hotel, Sea Isle City, N. J. Architect, L. L. Headley, 609 Eighth street, Ocean City, N. J. Owner, care of architect. Plans in progress. Will be ready for bids in 60 days.

Always-When You Need Gratings —



ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

IRVING
OPEN STEEL
SUBWAY
FLOORING

The Seal-A-Void Co.

WATERPROOFING ENGINEERS

**Preservative Coatings For
BRICK, STONE, CONCRETE AND
STUCCO**

**PATCHING, POINTING
AND WATERPROOFING**

Seal-A-Void Penetrates, Preserves

1126 S. 11th STREET

PHILADELPHIA

JAC kson 4809

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.

16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

Plant

Wissahickon Ave. & Juniata St.

Philadelphia

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Show Room and Service Station, Haddon avenue, Camden, N. J. Architects, Lackey & Hettel, 5 Hudson avenue, Camden, N. J. Owners, Camden Cadillac Co., Eighteenth and Federal streets, Camden, N. J. Brick, steel, cement block, 1 story and basement, 83x125 feet, slag roof, concrete, tile and slate floors, roof ventilators, waterproofing and damp-proofing, fire doors, steel sash, metal lath, steam heat, electric light. Plans in progress.

Garage (add.), Atlantic City, N. J. Architect, Bertram Ireland, Guarantee Trust Building, Atlantic City, N. J. Owner, Mr. McElroy, care of architect. Concrete, steel, 2 stories, 40x160 feet, concrete roof and floors, steam heat, electric light, steel sash, floor hardener, waterproofing and damp-proofing. Architect will be ready for bids in a week.

Stores (4) (alts.), Massachusetts and Pacific avenues, Atlantic City, N. J. Architect, A. B. Steelman, representative for J. E. Lippincott, Guarantee Trust Building, Atlantic City, N. J. Owners, Edison Realty Co., 2006 Pacific avenue, Atlantic City, N. J. Brick, steel, 100x38 feet, slag roof, steel skylights, general alterations. Owners taking bids.

Show Room and Garage, East State street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Norman P. Druck Motor Co., 636 East State street, Trenton, N. J. Brick, stone, 2 stories, 70x120 feet, slag roof, concrete and tile floors, hollow tile, roof ventilators, ornamental iron, fire doors, steel sash and skylights, tile and marble, metal lath, vapor heat, electric light. Will take revised bids next week.

Garage, White Horse and Pansboro road, Berlin, N. J. Owners, Stamper Parlor DeLuxe Coach, C. R. Stamper, Berlin, N. J. Owners will build.

Klockner School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood avenue, Trenton, N. J. Fireproof, 2 stories, 8 rooms and auditorium, slag roof, maple floors, safety treads, roof ventilators,

iron stairs, bond, steel skylights (plumbing, heating and electric separate). Owners and architect taking bids due November 4th.

Buildings (2) (alts.), 364-66 South Broad street, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Trenton Plumbing & Heating Co., 366 South Broad street, Trenton, N. J. Steel, plate glass, copper work, maple floors, tile work, steel sash, general alterations. Architect taking bids due November 3rd.

Residences (2), 400-02 North Fortieth street, Camden, N. J., \$10,000. Architect, private plans. Owner, C. M. Lovelace, 529 North Forty-eighth street, Merchantville, N. J. Block, 2 stories, 18x32 feet, slag roof, hot water heat, electric light. Permit issued.

Residences (2), 1109-11 North Twenty-second street, Camden, N. J., \$6,000. Architect, private plans. Owner, Alfred Johnson, 6 Wyndam road, Merchantville, N. J. Brick, 2 stories, 14x40 feet, slag roof, hot water heat, electric light. Permit issued.

Residences and Garages (2), 2809-11 Congress road, Camden, N. J., \$6,000. Architect, private plans. Owner, Eugene Brunner, 2760 Congress road, Camden, N. J. Block 2 stories, 16x48 feet, slag roof, hot water heat, electric light. Permit issued.

Viaduct, Section 13, Route 1 Extension, Contract 7, Newark, N. J. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Embankment, 40,000 cubic yards; concrete 12,000 cubic yards, structural steel, 2,200 tons; granite block pavement, 11,000 square yards. Deposit, \$50.00 (refunded). Certified check, 10%. Owners taking bids due Nov. 16th at noon.

New Jersey

Contracts Awarded

High School, May's Landing, N. J. Architect, S. Hudson Vaughn, Guarantee Trust

Building, Atlantic City, N. J. Owners, Hamilton Township School District, Archie Smith, District Clerk, Mays Landing, N. J. Brick, reinforced concrete, steel, 3 stories and basement, 138x66 feet, 60x51 feet, slag roof, cement and pine floors, safety treads, roof ventilators, metal weather strip, damp-proofing, architectural terra cotta, metal lath, marble, terrazzo, steel sash, kalamein doors, bond, iron stairs, ornamental iron, metal toilet partitions, acoustical treatment. Contract awarded George W. Shaner & Son, Palmyra, N. J., \$179,987. Electric, Gruen Elec. Co., 128 North Maine avenue, Atlantic City, N. J., \$7,993. Plumbing, R. H. Johnson Co., 817 Asbury avenue, Ocean City, N. J., \$3,017. Heating, Baldwin Vent. Co., 1509 Arch street, Philadelphia, \$19,300.

School Building, North Wildwood, N. J. Architects, Stackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Board of Education, North Wildwood, N. J. Brick, reinforced concrete (plumbing, heating, electric reserved), metal lath, monolithic floors, plastering, carpentry and mill work, painting, glazing, hardware, slate work, damp-proofing, iron work. Contract awarded to Schlinzig Brothers, Wildwood, N. J.

Fire Hall, Ashland, N. J. Architect, plans in progress. Owners, Ashland Fire Company, No. 2, Ashland, N. J. Cement block, stucco, 1 story, 30x60 feet, slag roof, cement work. Contract awarded A. D. Berry, Hinchman, N. J., \$4,147.

Sewage Disposal Plant, North Wildwood, N. J. Architect, George L. Watson, Wildwood, N. J. Owners, City of North Wildwood, Tenth and Pennsylvania avenues, North Wildwood, N. J. Contract awarded H. P. White & Co., Passaic, N. J., \$457,730.

Residences (4), 1108-10-12-14 South Collings road, Camden, N. J. Owner, Rose Villecco, Third and Pennsylvania avenue, Northmont, N. J. Brick, 2 stories, 16x40 feet, slag roof, hot water heat. Contract awarded Marco Willecco, Northmont, N. J.

A. HUSKEY

PORTABLE

MEYER COSSOY

OFFICE PARTITIONS

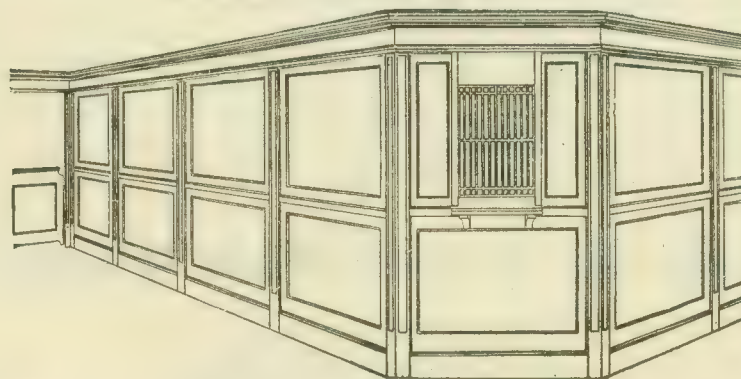
"MADE BY HAND, SOLD BY FOOT"

STORE
FIXTURES

FOR ALL KINDS
OF

STORES

25,000 FEET ALWAYS IN STOCK



CABINET
WORK

OF EVERY
DESCRIPTION

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

GENERAL
INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

SURETY
BONDS

Water Mains, Gloucester, N. J., \$29,669. Engineer, A. J. Albertson, Camden, N. J. Owners, Township of Gloucester, Gloucester, N. J. Contract awarded Palmyra Pipe Const. Co., Palmyra, N. J.

Storage Sheds, Federal and 18th streets, Camden, N. J., \$10,000. Architect, private plans. Owners, Dubell Lumber Co., 18th and Federal streets, Camden, N. J. Frame, 1 story, 16x360 feet; 16x230 feet; 32x155 feet; 32x204 feet. Contract awarded to Thos. H. Miller, Merchantville, N. J.

Manufacturing Building, 407-409 Division street, Camden, N. J., \$3,800. Architect, private plans. Owner, John Marani, care of builder. Brick, 3 stories, 18x50 feet, slag roof. Contract awarded Guiseppi De Media, 1405 S. 4th street, Camden, N. J.

Miscellaneous Construction News

Sunday School, Salisbury, Md., \$75,000. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Asbury Methodist

Episcopal Church, W. P. Jackson, Salisbury, Md. Stone, brick, 3 stories, 45x100 feet, slate roof, maple floors, vapor heat, electric light. Plans in progress. Ready for bids in two weeks.

Church, Kenmore, Ohio. Architects, C. W. Bolton & Son, Schaff Building, Philadelphia. Owners, Goss Memorial Reformed Church, Rev. Rollin Goodfellow, Kenmore, Ohio. Stone, brick, 1 story, slate roof. Plans in progress. Ready for bids in 6 weeks.

Press Building, Orange and Girard avenue, Wilmington, Del. Engineers, DuPont Engr. Co., Wilmington, Del. Owners, Every Evening Publishing Co., Wilmington, Del. Reinforced concrete, 3 stories, 60x110 feet, concrete roof, electric light. Owners sub-letting.

Public School, Gumboro, Sussex County, Del. Owners, Gumboro School District, State School Building Commission, George S. Williams, Chairman, Dover, Del. General construction (plumbing, heating and ventilating separate). Certified check, 5 per cent. Deposit, \$25, refunded. Copies of plans, specifications and proposal forms will be on file in office of Delaware School Foundation, 4116 DuPont Building, Wilmington, Del. Owners taking bids due November 18th at noon.

Public School, Millsboro, Sussex County, Del. Owners, Millsboro School District, State School Building Commission, George S. Williams, Chairman, H. V. Holloway, State Superintendent of Public Instruction, Dover, Del. General construction (plumbing, electric, heating and ventilating separate). Certified check, 5 per cent. Deposit, \$25, refunded. Copies of plans, specifications and proposal forms on file in office of Delaware School Foundation, 4116 DuPont Building, Wilmington, Del. Owners taking bids due November 18th, at 11 A. M.

Administration Building, State College for Colored Students, Cheswold, near Dover, Del. Architects, Guilbert & Betelle, Newark, N. J. Owners, Delaware School Auxiliary Association, A. J. Taylor, Dover, Del. Brick, steel, 3 stories and basement. Low bidders: R. R. Gove Co., 1712 Ludlow street, Philadelphia, \$81,253; Northeastern Const. Co., Baltimore, Md., \$84,780; electric, Electric Const. Co., Wilmington, Del., \$3,149.

School, Delmar, Del. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, Delaware School Foundation, A. J. Taylor, vice-president, 4116 DuPont Building, Wilmington, Del. Brick, steel, 2 stories and basement, 181x81 feet, slag roof, pine and cement floors, ornamental iron, bond, metal lath. Low bidders: Hastings & Parsons, Salisbury, Md., \$113,780; Northeastern Const. Co., Lexington Building, Baltimore, Md., \$117,840. Plumbing, Lewis

Morgan & Sons, Salisbury, Md., \$7,813. Heating and ventilating, Morgan & Sons, Salisbury, Md., \$16,000. Electric, E. F. Higgins & Co., 843 Tatnall street, Wilmington, Del., \$4,685.

Miscellaneous Contracts Awarded

Barracks (3), Camp Meade, Md., \$375,000. Architect, United States Quartermaster, Washington, D. C. Owners, United States Government, United States Army, Washington, D. C. Brick, reinforced concrete, steel, 3 stories and basement, 324x47 feet, 160x47 feet, 144x47 feet, monolithic roof, metal lath, rolled steel sash, bond, ornamental iron work. Contract awarded Palmer-Spivey Const. Co., Charlotte, N. C.

Convent and Academy Building, Syossett, Long Island, N. Y. Architect, Emil G. Perrot, 1211 Arch street, Philadelphia. Owners, Sisters of Mercy, Syossett, Long Island, N. Y. Contract awarded G. F. Driscoll Co., 548 Union street, Brooklyn. Heating to E. Rutzler Co., 404 East Forty-ninth street, New York City.

HELP WANTED

Estimator and Salesman for Ornamental Iron Company. Apply Bldg. News Pub. Co., 826 Perry Bldg., Phila.

BUILD THE ROOF TO SUIT THE PLANT

1. *A Water-tight Roof; the Roof and Lighting*

BY WENDELL S. BROWN

F. P. Sheldon and Son, Engineers and Architects, Providence, R. I.

Reprinted by special permission from *Factory, the Magazine of Management*

Thatch roofs, adobe roofs, caves with stone roofs. From time immemorial the roof problem has been with us and the counterpart of almost every primitive type of roof material—refined and improved to be sure—can be found, sometimes alone, but more usually combined with other materials, as either insulation or structural portion in the work of our present-day master builders.

The Patent Scaffolding Company

INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR

BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS

SWINGING SCAFFOLDS
FOR
SALE OR RENT

2835 Bridge St., Philadelphia

Bell, Jefferson 4501

Keystone, East 8912

On the Ground When Wanted

CLAUSEN
TERRA COTTA

FLUE LINING, WALL COPING, SEWER PIPE, HOLLOW TILE

On every order you can **DEPEND** upon the efficiency, courtesy and thoroughness that characterizes our **REAL SERVICE**

WILLIAM H. CLAUSEN

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

PHILADELPHIA *Yesterday and Today*

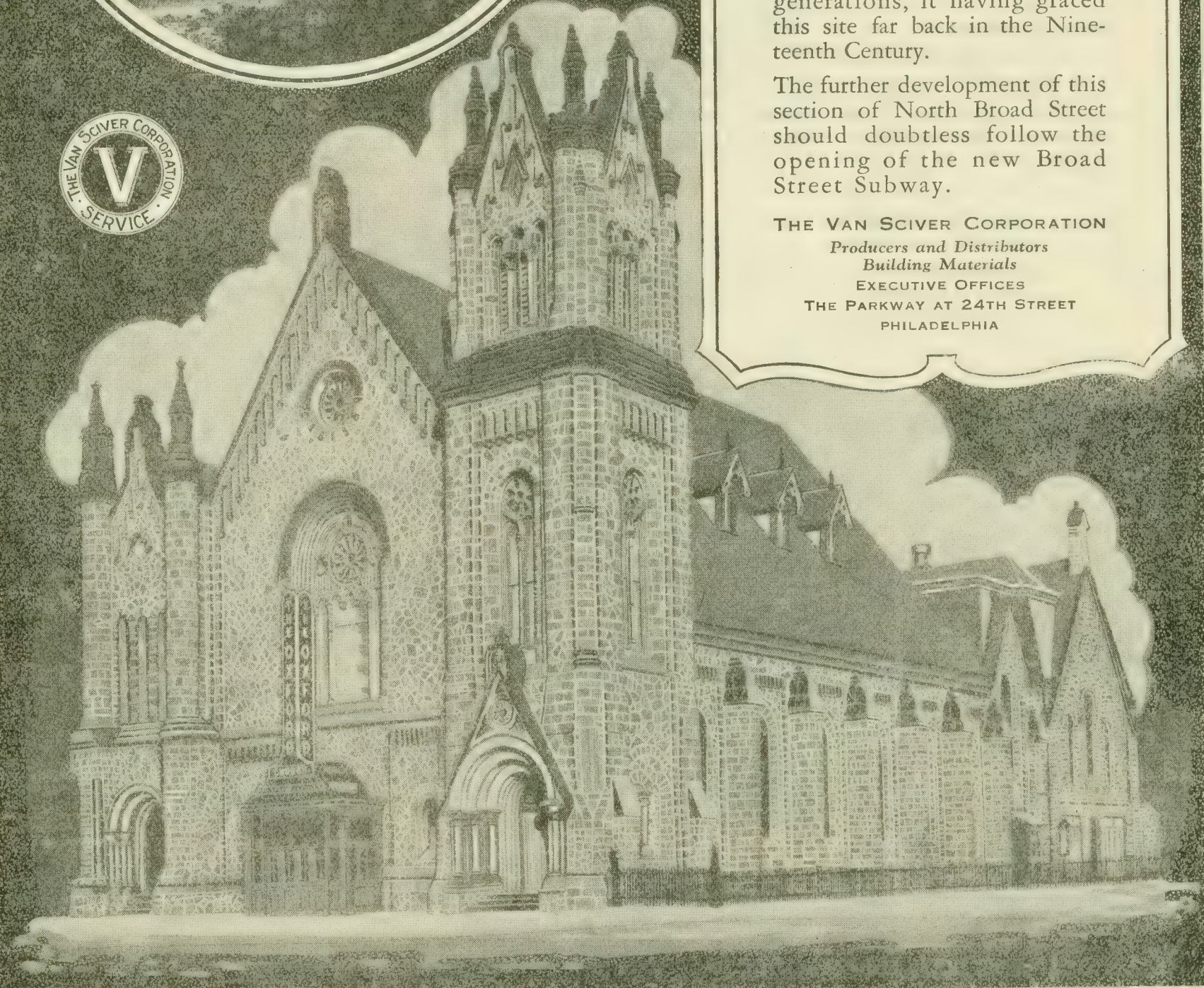


Broad and Oxford Sts.

TO MOST OF US, this intersection has looked the same for many years—yet the farm house depicted above precedes the present improvement by several generations, it having graced this site far back in the Nineteenth Century.

The further development of this section of North Broad Street should doubtless follow the opening of the new Broad Street Subway.

THE VAN SCIVER CORPORATION
Producers and Distributors
Building Materials
EXECUTIVE OFFICES
THE PARKWAY AT 24TH STREET
PHILADELPHIA



The roofing question for many industrial plants, especially those comprised largely of expansive one-story buildings in which the sidewalls may count for comparatively little as aids to natural lighting or ventilation, is a serious and relatively expensive one.

In smaller or multistory buildings the upper floor can often be advantageously designed as to natural lighting and ventilation to meet the requirements of some particular service or manufacturing process.

Among the first requisites of a good roof is water-tightness. This needs no elaboration. Regardless of first cost, interference with production and consequential damages from leaks due to inferior workmanship, materials or design, cannot ordinarily be tolerated. The choice of weather-proofing materials themselves depends mainly upon the slope of the roof, the underlying roof construction, color of surface for reflection of light, effect of local atmospheric conditions upon metal flashing, and so forth. Ultimate cost must be considered—that is, not only first cost in place, but also maintenance expense and capitalized fixed charges including depreciation.

Types of Roof Covering

Shingles of wood, of metal, of stone-coated impregnated felts, of asbestos, slate or tile; interlocking shapes of corrugated metal, of tile or of wire glass; continuous membranes of waterproof felts or metal—these are some of the possibilities which research, applied science, and industry offer us to draw upon and to combine at will in securing desired results.

Continuous roof coverings of the saturated or impregnated felt type may be obtained in the prepared or "ready roofing" form, or may be applied on the job as a "built-up roof," in which latter case the impregnated felts are usually rolled or mopped separately for their full width into hot pitch or compound. The entire surface as built up then receives a heavy pouring of hot pitch or asphalt, into which a course of slag or gravel is spread.

"Ready roofings"—their brands and respective qualities are legion—are usually cheaper in first cost than "built-up roofs." They fulfil some needs well, and may be used to advantage on isolated buildings, or small structures where skilled labor is not available, or for temporary service.

"Ready roofings," either ply or single, are made to be rolled and are therefore necessarily deficient in felts and saturant, as compared with built-up roofs." There is also the difficulty of laying them without wrinkles, and the fault of narrow laps.

"Built-up roofs" are suitable for flat horizontal surfaces or for sawtooth roofs, but not for slopes much in excess of 6 inches per foot. And for such slopes they must be well nailed and surfaced with asphalt compound to prevent sliding.

Exactly What Is a "Bonded Roof?"

To the owner who wishes to obtain inspection service in the case of a "built-up roof," security against leaks, and also free repair service for the subsequent estimated life of the roof, there is offered by competitive companies the advantage of a "bonded roof."

The service of one of these companies embraces, besides inspection at the time of application, also the furnishing of roofing materials and a list of local roofing contractors approved by them.

One weakness of this plan is that the bond does not extend to the metal work, such as gravel strips and flashings, skylights, ventilators and the like.

The bond does cover leakages elsewhere, however, and is furnished by a reputable national bonding company for a period of 10 or 20 years, depending upon the construction of both deck and roofing.

The initial cost of the contract for a bonded roof of this type might run 10% more than that for a "built-up roof" equally meritorious as to materials and workmanship.

The Four Problems of Design

The preceding paragraphs about roof covering have concerned the question of keeping out the weather. Correct design is necessary for the economic manufacture and control of artificial weather within the building, including daylight itself. This is accomplished through insulation, ventilation, and fenestration.

Here also the question of cost may be paramount. For certain occupancies anything more elaborate than an ordinary flat unventilated roof would be an unwarranted extravagance.

Utility in one form or another is the essence of superior planning. A dollar buried in the ground may still be worth one hundred cents, but a dollar wasted in building construction, besides earning no dividends, is lost forever.

Ultimate cost, as comprised of first cost plus properly capitalized fixed charges and maintenance (the latter being adjusted for resultant savings), is a vital factor.

The Lighting Question

First with regard to that element of design known as roof contour or configuration. This is largely a question of daylighting and natural ventilation requirements. Ordinary daylight often

needs tempering and modifying, especially direct sunlight, and reasonable thought and money put into each consideration of light and ventilation pays worth-while dividends in increased quantity and quality of production and improved health and morale of the workers.

The question of direct sunlight is frequently a controlling factor. That is, its admission may entail serious disadvantages from such considerations as heating effect, actinic effect, color value, and eyestrain due to contrasts and excessive intensity, the latter resulting often in such tremendous differences in illumination as 5,000 to 1 upon adjacent surfaces, to say nothing of reflection of sunlight from bright machine parts.

Then too, the question of direction, diffusion, and uniformity of natural illumination is of importance as affecting visual acuity upon either horizontal or vertical planes.

And it is likewise true in this connection that the daylighting of a wide building through the roof offers infinitely more possibilities than does daylighting by means of windows located in the walls. The tremendous variation from sidewall lighting is clearly due to the fact that, in the case of direct light, only the increasingly horizontal rays really penetrate as the interior of the room is approached.

Unfortunately only one story of a building can ordinarily be lighted through the roof.

(Continued next week.)

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

Ideals are like stars; you will not succeed in touching them with your hands. but like the seafaring man on the desert of waters, you choose them as your guides. and, following them, you reach your destiny.—Carl Schurz.

You know what propaganda is, don't you? You know, too, how effective a weapon it is, if used properly, don't you? Well, advertising—honest, fair advertising—is the best propaganda we know of. Join the propagandists now! Advertise in the "Builders' Guide."

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Corp. 20th & Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son. Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories. 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.
Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard. 3rd and Girard Ave., Phila.
Lewis Lumber Co. 324 Sloan St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.
Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co.,
108 Massachusetts Ave., Boston, Mass.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.
Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.
John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard. 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50 N. 5th St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

WATERPROOFING

Anti-Hydro Waterproofing Co. 24th and Parkway
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Seal-A-Void Co. 1126 S. 11th St., Phila.
Truscon Laboratories. 1505 Race St., Phila.

WEATHERSTRIPPING (Metal)

American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS

Audubon Wire Cloth Co. Audubon, N. J.
Potts, Horace T., & Co. Erie Ave. and D St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.



1792 1927

"The Oldest
American
Fire and Marine
Insurance
Company"

BUILDERS' RISKS ARE MANY
but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

**Insurance Company of
North America**

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps a River Out of This Power House

The concrete foundations of this building are below the water level of the river that flows beside it. Nevertheless, the basement and boiler room are always dry, because the concrete is *permanently* water-proofed with "ANTI-HYDRO."

"ANTI-HYDRO" is an easy-to-use liquid integral compound that both hardens and waterproofs *in one operation*. It mixes with the gauging water without the aid of skilled labor. It is very economical to use and results are guaranteed permanent.

For 23 years "ANTI-HYDRO" has been repeatedly specified and used by leading architects, engineers and contractors the country over. Use it on *your next job*.



Power House, Kent Mfg. Co., Clinton Heights, Pa.

Frank E. Hahn, Architect.

B. Bornstein, Contractor.

ANTI-HYDRO WATERPROOFING CO.
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone:
West 2568

JOHN NACEY CO.

Bell 'Phone:
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES

SLATE and MINERAL SURFACED ROOFING

SMOOTH SURFACED ROOFING

COAL-TAR PITCH

TARRED FELT

ASPHALTS

CREOSOTE OIL

WOOD PRESERVATIVES

BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 45
November 9, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P.G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P.G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

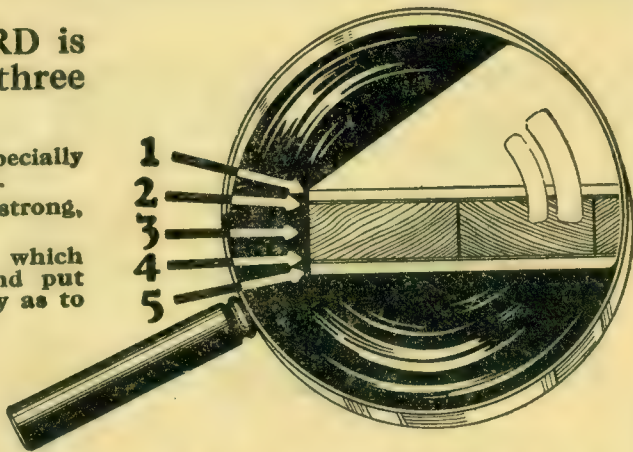
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

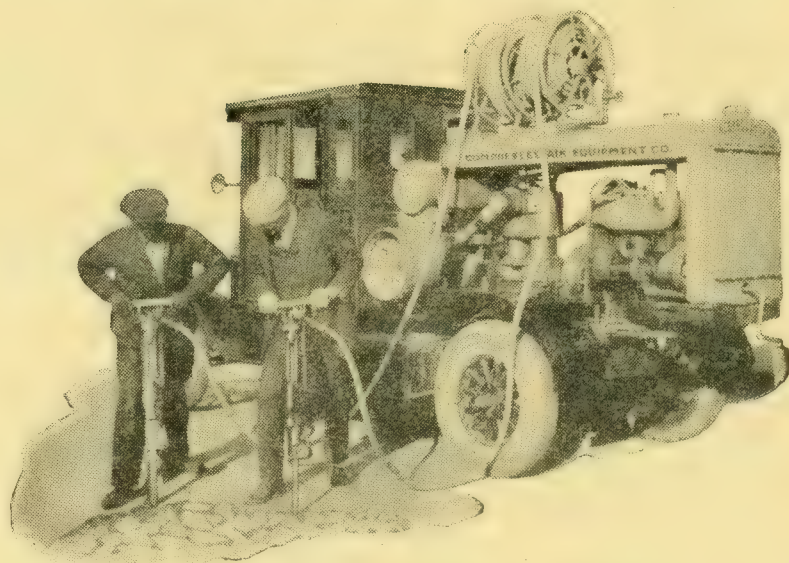
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Pennypacker 9540

Keystone-Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by *Welsbach*

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL SASH

For All Types of Buildings

Large and small orders for many types of sash can be filled from our warehouse stock.

Use *Steel Sash* wherever sash is called for

Send for descriptive literature

Phone, write or wire large and small orders

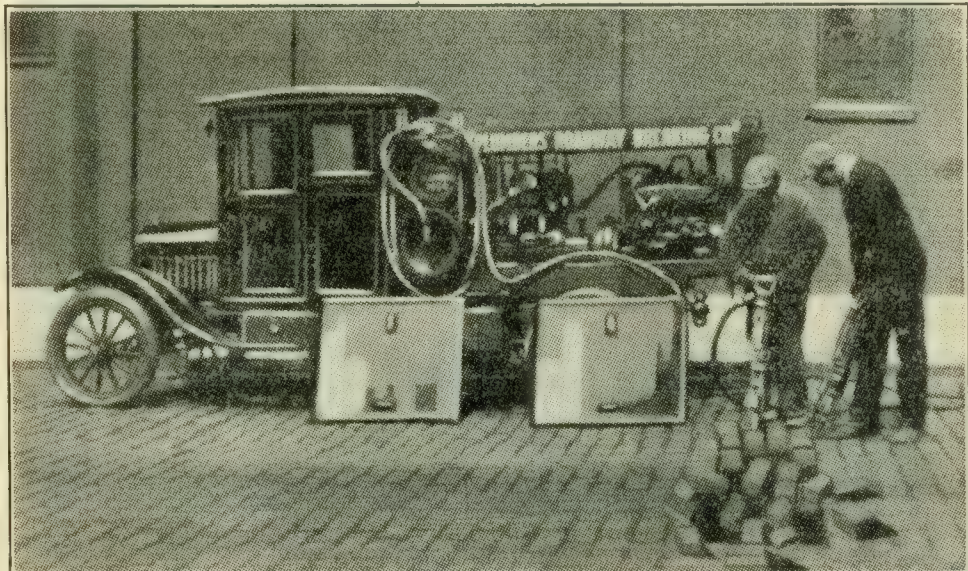
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



SERVICE SUPPLY CORPORATION

*Contractors' and Builders'
Supplies and Equipment*

EXPANSION JOINTS

ALL SIZES CARRIED IN PHILADELPHIA STOCK

Write for Our Bulletin on "UNITS FOR
WINTER CONSTRUCTION"

MAIN OFFICE AND WAREHOUSE
20th and Venango Streets
Philadelphia

BRANCH OFFICES AND WAREHOUSES

235-37 N. Virginia Avenue
Atlantic City, N. J.

Wilbur Trust Building
Bethlehem, Pa.

BRICK

You may be familiar with the
UNUSUAL QUALITY
of the Finzer Full Range Forest Blend

FACE BRICK

but did you know that the price has been
Reduced to \$33.25 per M

Delivered and Stacked on the Job

OTHER UNUSUAL VALUES

are

Smooth Buff Courts \$31.75 per M
Vertical Tex Buffs \$30.00 per M

Telephone for samples and location of
jobs which we have served recently

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



Department of Street Cleaning
Twenty-fifth and Oakford Streets
Extra Large Overhead Door, 14 ft. x 16 ft. 8 in.
Built in Eight Sections and Operated with Ease by Hand

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.
ILLUSTRATED CATALOGUE SENT ON REQUEST
Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

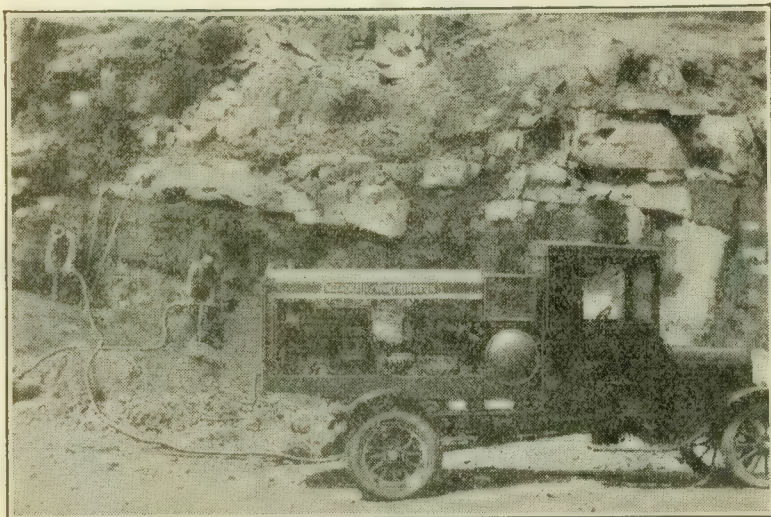
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIoga 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Engineering and the Building Trades

PHILADELPHIA

Number 45

November 9, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residences (291), Cottman and Frankford avenue, Philadelphia. Owner, Daniel Crawford, Jr., Thirty-ninth and Chestnut streets, Philadelphia. Brick, 2 stories. Work contemplated in spring, 1928.

Building (add.), 1411-19 Walnut street, Philadelphia. Architect, H. Trumbauer, Land Title Building, Philadelphia. Owners, Philadelphia Stock Exchange Building Corporation, on premises. Two-story addition. Work contemplated.

Bank, Allegheny and Kensington avenues, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Ninth Bank & Trust Company, A. W. Barnes, president, Front and Norris streets. Sketches being drawn. Work contemplated.

Supply Station, Torresdale and Gillingham street, Philadelphia. Architect, private plans. Owner, C. Kahn, Morris Building, Philadelphia. Hollow tile, stucco, 1 story, 20x20 feet, tile roof, cement floors, electric light. Plans in progress.

Garage, Lackawanna and Meadow streets, Philadelphia. Architect, J. H. Rackie, 4341 Frankford avenue, Philadelphia. Owner, J. Benson, 4657 Lackawanna avenue, Philadelphia. Brick, 1 story, 52x52 feet, slag roof, cement floors. Plans in progress.

Bank, Southwest Corner Torresdale and Longshore avenue, Tacony, Philadelphia. Architect, H. W. Castor, Stephen Girard Building, Philadelphia. Owners, Northeast Tacony Bank & Trust Co., C. W. Titus, care of archi-

tect. Brick, limestone, 2 stories, 60x100 feet. Plans in progress.

Residences (11), Rubicum and McCallum streets, Philadelphia. Architect, R. N. Dippy, 1601 Walnut street, Philadelphia. Owner, S. Goldberg, Second and Tioga streets, Philadelphia. Brick, 2 stories, 16x38 feet, slag roof, hardwood floors, hot water heat, electric light, tile work. Owner taking sub-bids due as soon as possible.

Stores (20), Apartments (11), Arcade (alts. and add.), Oxford and Griscom streets, Philadelphia, \$125,000. Architect, C. H. Fries, Oxford and Frankford avenue, Philadelphia. Owners, Mary Hub Estate, care of architect. Face brick, limestone, 28x118 feet, 128x265 feet, 183x90 feet, irregular, slag roof, terrazzo, hardwood, cement and composition floors, vapor vacuum heat, electric light, tile and marble work, ornamental plaster. Will be ready for bids in one week.

Residences (1,000), Wyoming and G streets, Philadelphia. Architect, I. W. Levin, 1011 Chestnut street, Philadelphia. Owners, Jacob Korman, Samuel Korman, Ben Dintenfass, Sixty-second above Eastwick avenue, Philadelphia. Brick, steel, 2 stories and basement, 16x40 feet each, slag roof, oak, pine floors, electric work, hot water heat, ornamental iron work. Plans in progress. Owners ready for bids early next spring.

Warehouse, Girard, West of Forty-fourth street, Philadelphia. Architect, private plans. Owner, name withheld. Brick, steel, concrete, 6 stories, slag roof, reinforced concrete floors,

hollow tile, plumbing, vapor heat, electric light, rolled steel sash, rolling kalamein doors, glass, painting and glazing, excavation, mill work. Robbins Contg. Co., 1137 North Front street, Philadelphia, taking sub-bids due as soon as possible.

Miscellaneous Work, Philadelphia. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Health, Bureau of Hospitals, City Hall. Owners taking bids due November 14th at noon. Philadelphia General Hospital, Thirty-fourth and Pine streets, for grading, curbing, pavements, driveways, granite paving blocks, inlet basins and concrete catch basins, sodding and seeding, etc. Philadelphia Hospital for Mental Diseases, Byberry, for construction reinforced concrete roadway and all work incidental thereto, etc. Philadelphia Hospital for Contagious Diseases, Second and Luzerne streets, resurfacing roadway in front of Administration Building and all other work appurtenant thereto.

Alterations, 1307 Market street, Philadelphia. Architect, Frank E. Hahn, 629 Chestnut street, Philadelphia. Owner, Truly Warner, on premises. Carpentry and mill work, plastering, stucco, brick work, linoleum floors. Architect taking bids due as soon as possible.

Sunday School, Fifty-third and Wyalusing avenue, Philadelphia. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Blockley Baptist Church, M. A. Haines, on premises. Stone, brick, steel, cut

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

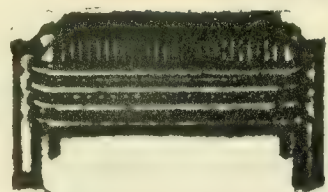
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard" ENAMELWARE

REPUBLIC BRASS ANACONDA BRASS PIPE

Fleck Bros. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH

SHEETROCK
WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

HEATING

BOWERS BROS. & CO.

2015 Sansom Street
Philadelphia, Pa.

stone, 2 stories and basement, 72x80 feet, slag roof, composition and maple floors, electric light, metal lath, marble work, dampproofing, bluestone, wall finish, ornamental iron work, wrought iron pipe, plumbing. Low bidders: Fetzger, Fisher & White, Otis Building, Philadelphia.

Miscellaneous Work, Philadelphia. Low bidders. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Contract No. 807, Keystone State P. & E. Co., 2849 Germantown avenue, Philadelphia, \$10,998.75. Contract No. 902, Keystone State P. & E. Co., 2849 Germantown avenue, Philadelphia, \$3,999.

Manufacturing Building, 610-12 South Schuylkill avenue, \$30,000. Owners, West Jersey Sand & Supply Co., Delaware avenue and Marlborough street, Philadelphia. Steel, 1 story. Permit issued.

Office, Southwest Corner Tulip and Bleigh streets, Philadelphia, \$4,500. Architect, private plans. Owners, Paramount Lumber Co., American and Cumberland streets, Philadelphia. Brick, 3 stories, 20x40 feet. Permit issued.

Service Station, 7701 Frankford avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Fred Henkel, on premises. Brick, 1 story, 14x18 feet, slag roof, cement floors, electric light. Permit issued.

Residence (add.), North side Gorgas lane, East of Boyer street, \$2,500. Architect, private plans. Owner, A. S. Tourison, 7014 Boyer street, Philadelphia. Brick, 1 story add., 16x14 feet. Permit issued.

Residences (22), 500-42 Jueen street, Philadelphia, \$77,000. Architect, private plans. Owner, Charles B. Magrum, 22 South Fifteenth street, Philadelphia. Brick, 2 stories, 14x23 feet, 11x8 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Stores and Residences (4), Frankford avenue, South of Englewood street, \$36,000. Architect, private plans. Owner, Fred E. Rowe, Frankford avenue and Cottman street, Philadelphia. Brick, 2 stories, 18x26 feet, 14x28 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (8), Meridian street, East of Craig street, Philadelphia, \$30,800. Architect, private plans. Owner, Marco Marks, 4739 North Tenth street, Philadelphia. Brick, 2 stories, 16x38 feet, 12x10 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (12), North side Gibson avenue, West of Eighty-second street, Philadelphia, \$30,000. Architect, private plans. Owner, William Greenman, 8449 Eastwick avenue, Philadelphia. Brick, 2 stories, 16x31 feet, slag roof, pine floors, electric light. Permit issued.

Residences (8), North side Loretta street, between Hartel and Lansing, \$40,000. Architect, private plans. Owners, Castor Highland Development Co., Castor avenue and Hartel street, Philadelphia. Brick, 2 stories, 16x25 feet, 18x24 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (2), North side Stanwood street, West of Frontenac street, \$10,000. Architect, private plans. Owner, Peter Heidt, Jr., Stanwood and Frontenac streets, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 44 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Garage, 474 East Potterton Heights, Philadelphia, \$4,000. Architect, private plans. Owner, W. F. Chapman, 1805 West Venango street, Philadelphia. Brick, 1 story, slag roof, cement floors, electric light. Permit issued.

Residences (25), Sixteenth street, South of Sixty-fifth avenue, Philadelphia, \$106,500. Architect, private plans. Owner, Joseph Cutler, 6720 North Eighteenth street, Philadelphia. Brick, 2 stories, 15x31 feet, 12x17 feet, slag roof, pine floors, electric light. Permit issued.

Store and Apartment (alts.), 545 N. 53rd street, Phila. Architect, A. E. Taylor, Drexel Hill, Pa. Owner, C. C. Paul, 913 Wynnewood Road, Phila. New front, hot water heat, electric light, ornamental tile work, ornamental iron work, slag roof, plate glass, hardwood floors, general alterations, brass, steel work. Owner will build and is sub-letting.

Residence and Garage, Overbrook Hills, \$20,000. Architect, A. E. Taylor, Drexel Hill, Pa. Owner, C. C. Paul, 913 Wynnewood Road, Phila. Frame, brick, 2½ stories, 30x38 feet, 1 story, 20x24 feet, wood shingle roof, hardwood floors, hot water heat, electric light, tile work. Owner will build and is sub-letting.

Restaurant Building, 2311 Auburn street, Phila. Architect, Wm. F. B. Koelle, Otis Building, Phila. Owner, Rev. P. A. Stokes, care of architect. Brick, steel, 1 story, 52x28 feet, slag roof, pine floors, electric light. Plans in progress.

Residence (alts. and add.), 920 Warnock street, Phila. Architect, Wm. F. E. Koelle, Otis Building, Phila. Owner, J. R. Henderson, on premises. Brick, 3 stories, 1 story addition, 12x18 feet, slag roof, general alterations. Plans in progress.

Stores, Apartment and Garage, Paul and Orthodox streets, Phila. Architect, G. Harold Murphy, 4308 N. Broad street, Phila. Owner, Wm. Freihof, 20th and Indiana avenue, Phila. Brick, cut stone, steel, 3 stories and

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

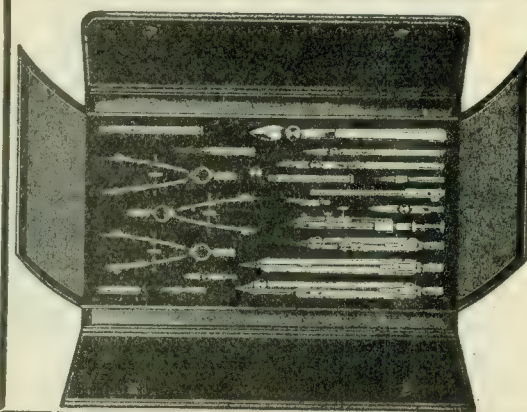
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

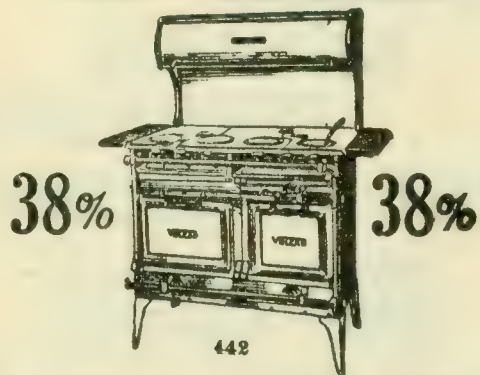
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

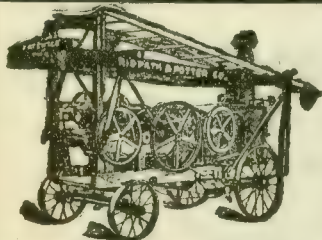
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

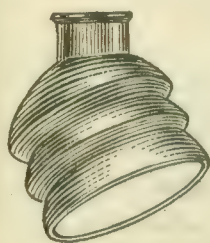
Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

basement, 48x75 feet, slag roof, oak, pine and cement floors, electric light, metal lath, bond,

ornamental iron work. Architect taking bids due Nov. 14th.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Building (alts.), 216 West Rittenhouse street, Philadelphia. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Walton Pilgrim Co., 2400 Market street, Philadelphia. Brick, cut stone, concrete, steel, 1 story and 2 stories and basement, slag roof repairs, cement floors, sheet metal work, painting, glazing, architectural terra cotta, steam heat, electric light, metal lath, hollow metal sash. Contract awarded Mitchell Brothers, 2125 Race street, Philadelphia.

Gas and Tire Station, Torresdale and Van Dyke street, Philadelphia. Architect, Philip S. Tyre, 114 South Fifteenth street, Philadelphia. Owners, Walton Pilgrim Co., 2400 Market street, Philadelphia. Brick, steel, architectural terra cotta, 1 story and basement, 55x95 feet, Barrett specification roof, cement floors, hot water heat, electric light, metal lath, tile and marble work, rolled steel sash, painting, glazing, sheet metal work, plumbing. Contract awarded Mitchell Brothers, 2125 Race street, Philadelphia.

Theatre, Frankford and Granite streets, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owners, Forum Amusement Co., 5413 Frankford avenue, Philadelphia. Brick, cut stone, steel, 1 story and 2 stories, 191x89 feet, slag roof, cement floors, roof ventilators, ornamental iron work, bond, tile work, metal lath, electric light, steam heat. Contract awarded to Haupt & Co., Const. Engrs., 901 Walnut street, Philadelphia, and David Lutz & Co., General Contractors, Twenty-third and Chestnut streets, Philadelphia.

Factory, Indiana and Ridge avenues, Philadelphia. Architect, R. N. Dippy, Medical Arts Building, Philadelphia. Owner, J. B. Hazlett, 2442 South Broad street, Philadelphia. Reinforced concrete, brick, cut stone, steel, 2 stories and basement, 18x56 feet (sprinkler, plumbing, heating, electric and elevators reserved), Barrett specification roof, cement floors, painting, glazing, wire guards, rolled steel sash and doors, bond, floor hardener, iron stairs, ornamental iron work, area

gratings, cinder concrete work, metal toilet partitions. Contract awarded McCormick-Lenham, Broad and Tasker streets, Philadelphia.

Store, Southwest Corner Twenty-second and Market streets, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owners, Hyman Hirsch & Gross, Southeast Corner Twentieth and Market streets. Brick, cut stone, steel, 2 stories and basement, 96x34 feet, steam heat, electric light, oil burner, metal lath, tile and marble work, ornamental iron work, sprinkler system, Hirsch built-up roof, cement, oak and composition floors, metal ceilings. Contract awarded C. S. Barnett, 1633 South Fifty-ninth street, Philadelphia, who is taking sub-bids.

Alterations, 222 North Fifteenth street, Philadelphia. Architect, Lloyd Titus, Hotel Brighton, Atlantic City, N. J. Owners, A. G. Spalding & Bro., 1210 Chestnut street, Philadelphia. Brick work, carpentry and mill work, pine floors, linoleum, plastering, metal lath, composition floors, sheet metal ceilings, painting, glazing, electric work, heating alterations, plumbing. Contract awarded J. Sims Wilson, 1125 Brown street, Philadelphia.

Alterations and Additions, 1723 Francis street, Philadelphia. Architects, Lippincott & Schaef, 11 South Sixteenth street, Philadelphia. Owners, Home for Aged Couples, 1723 Francis street, Philadelphia. Plastering, painting, glazing, demolition, cement work, hollow tile, brick work, waterproofing, linoleum floors, metal lath, tile-clad doors, iron work, steel sash, kalamein doors, slag roof, skylights, carpentry and mill work, plumbing. Contract awarded J. M. Yardley, 1700 Walnut street, Philadelphia.

Alterations and Additions, 3909 Germantown avenue, Philadelphia, \$3,000. Architect, private plans. Owner, name withheld. Brick, rear add., bulk windows, partitions, electric work, plumbing, heating. Contract awarded Penn Building Co., Haines and Ardleigh streets, Philadelphia.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
PIPE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Store Building (alts. and add.), 6635 Germantown avenue, Philadelphia, \$14,000. Architect, private plans. Owner, M. Wescott, on premises. Brick, stone, store fixtures, plumbing, heating, electric. Contract awarded Penn Building Co., Haines and Ardleigh streets, Philadelphia.

Telephone Building (alts.), 132 South Second street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Keystone Telephone Co., on premises. Brick, stone work, cement and concrete work, structural steel, gypsum roof, slabs, iron work, fire doors, carpentry and mill work, plastering, metal lath, painting, glazing, electric work, steam heat, slag roof, iron stairs. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Garage, 1524-26 Latimer street, Philadelphia. Architect, David B. Bassett, 1520 Locust street, Philadelphia. Owners, Mid-City Real Estate Co., care of architect. Reinforced concrete, brick, 4 stories and basement, 40x80 feet, slag roof, cement floors, ramp (plumbing, heating, electric reserved), rolled steel sash, ornamental iron work. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Alterations and Additions, Southwest Corner Twentieth and Brandywine streets, Philadelphia. Architect, A. L. Nicholson, 428 Schaff Building, Philadelphia. Owners, Gospel Tabernacle of Christian & Missionary Alliance, on premises. Brick work, cut stone, steel, ironwork, plastering, carpentry and mill work, cabinet work, slag roof, sheet metal work, hardware, tile, painting, glazing, plumbing (heating and electric reserved). Contract awarded E. E. Hollenback, Inc., 1910 North Marshall street.

Garage, 1021 Snyder avenue, Philadelphia. Architect, D. M. Supowitz, 929 Chestnut street, Philadelphia. Owner, M. Rosenweig, on premises. Brick, steel, cut cast stone, 2 stories and basement, 110x50 feet, cement floors, slag roof, plumbing, steam heat, electric light, hollow metal sash, rolled steel skylights, steel fire doors, bond, ornamental iron work, wrought iron pipe, area gratings. Contract awarded M. Hoffman & Son, 4908 Brown street, Philadelphia.

Community Building, Southeast Corner Porter and Marshall streets, Philadelphia. Architects, Hahn & Baylinson, 629 Chestnut street, Philadelphia. Owners, Tamud Torahs, care of L. Lenenthal, Bankers' Trust Building, Philadelphia. Reinforced concrete, brick, cast stone, steel, granite, 2 stories and basement, 118x50 feet, Barrett specification roof, maple and cement floors, hollow tile, roof ventilators, architectural terra cotta, ash hoists, steel partitions, area gratings, ornamental iron work, iron stairs, kalamein doors, bond, tile, marble and terrazzo work, metal lath (electric work, lighting fixtures, heating, plumbing, weather stripping, linoleum floors reserved). Contract awarded Robbins Cont. Co., 1137 North Front street, Philadelphia.

United States Custom House (alts.), Philadelphia. Architect, James A. Wetmore, Treasury Department, Washington, D. C. Owners, United States Treasury Department, Washington, D. C. Electric work, plumbing, heating, alterations mechanical equipment, alterations painting, glazing, hardware, vault doors, linoleum floors, marble work, carpen-

try and mill work. Contract awarded Schaffer Co., 1600 Arch street, Philadelphia.

Residence (alts. and add.), 5825 Park avenue, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owner, Walter Roskam, on premises. Contract awarded Frank Stahl, 2711 North Park avenue, Philadelphia.

Bank Building (alts. to air duct in basement), 925 Chestnut street, Philadelphia. Architects, Bunting & Shrigley, 603 Chestnut street, Philadelphia. Owners, Federal Reserve Bank, on premises. Basement, plastering, concrete block, carpentry and mill work. Contract awarded Jacob Myers Sons Co., 5100 Lancaster avenue, Philadelphia.

Gas Station, 4701 Ridge avenue, Philadelphia, \$3,500. Architect, I. W. Levin, 1001 Chestnut street, Philadelphia. Owner, Meyer Groskin, 1108 Diamond street, Philadelphia. Brick, steel, 1 story, 14x22 feet, slate roof, cement floors, plumbing, electric light. Contract awarded H. Alterman, 2731 West Somerset street, Philadelphia.

Building, 4827 Germantown avenue, Philadelphia, \$4,000. Architect, private plans. Owners, Pride Cleaner & Dyer, 4827 Germantown avenue, Philadelphia. Brick, 1 story, 16x13 feet, 34x45 feet. Contract awarded Joseph Abelvide, 2625 North Jessup street, Philadelphia.

Residence, South side Fisher avenue, West of Front street, Philadelphia, \$2,500. Architect, private plans. Owner, Elizabeth Schalle, 116 West Fisher avenue, Philadelphia. Brick, 2 stories, 16x24 feet. Contract awarded Louis Braeunig, 5800 North Fourth street, Philadelphia.

Storage Building, 5555 Ridge avenue, Philadelphia, \$2,500. Architect, private plans. Owner, William B. Taylor, 5557 Ridge avenue, Philadelphia. Brick, 1 story, 23x30 feet. Contract awarded G. L. Callahan, 425 Oriole street, Philadelphia.

Garage (add.), 210-12 South Fifty-ninth street, Philadelphia, \$2,000. Architect, private plans. Owner, Samuel Janning, 210 South Fifty-ninth street, Philadelphia. Brick, 1 story, 14x44 feet, slag roof, cement floors. Contract awarded J. Sweet, 2549 North Spangler street, Philadelphia.

Meeting House (alts.), Cherry street, West of Fifteenth street, Philadelphia. Owners, Philadelphia Meeting of Friends, 140 North Fifteenth street, Philadelphia. General alterations. Contract awarded William M. Thompson, 1920 Cherry street, Philadelphia.

Chimney, North side Hamilton street, East of Broad street, Philadelphia, \$3,500. Own-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE
B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**
SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

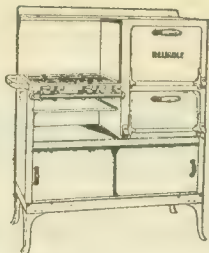
All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also **KITCHEN CABINETS,
Water Heaters & Refrigerators**



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet ired
well as samples of the Murp.

THE MURPHY DOOR I

512 Bulletin Building
Philadelphia
Penna.

Ber
19 W

THERE IS ONLY ONE IN-A-I
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

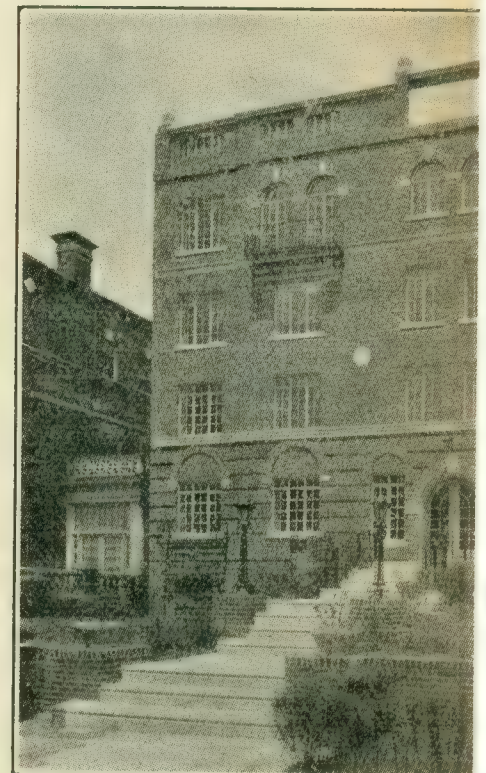
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

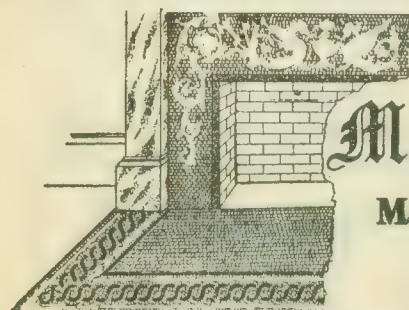
For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.



BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



**Italian
Marble Mosaic Co.**

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON STO

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

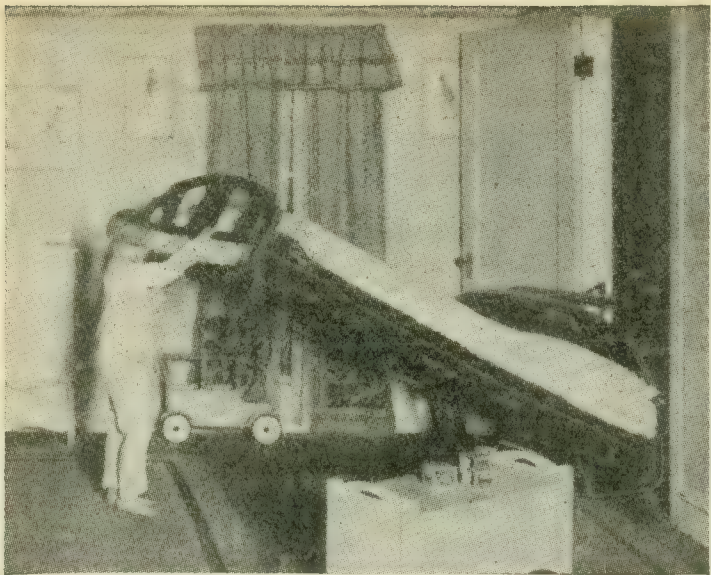
STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

EDS

nes
ngs

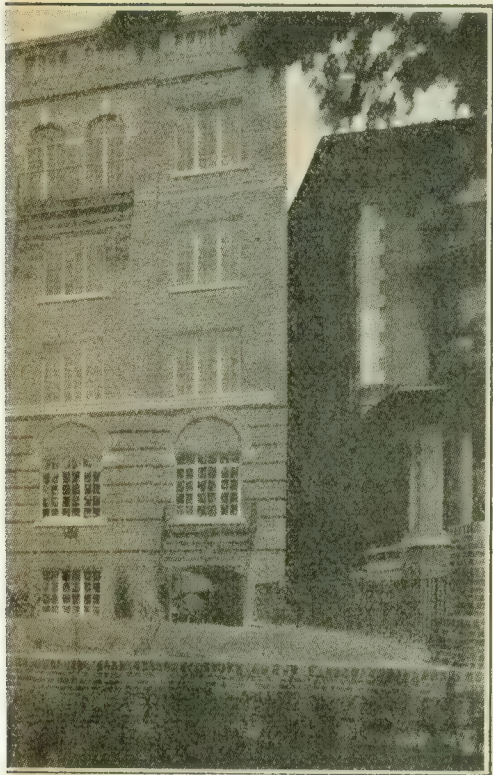
all at our
n kitchen
boards as
eds

CO.
Building
4th Street
York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
t of their co-operation.



NETEX

faces

gs are beginning to show,
Truscon STONETEX.

l the concrete is spalling
opped by the application

it prevent moisture
o covers the surface
flat. It does not
masonry.



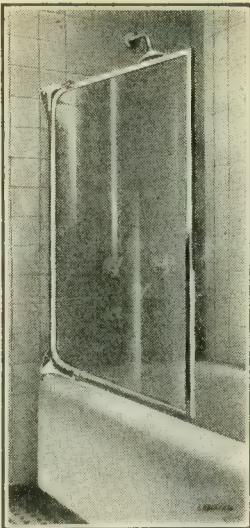
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile
Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

ers, Philadelphia Inquirer, Broad and Callowhill streets, Philadelphia. Contract awarded Roydhouse-Arey Co., 112 North Broad street, Philadelphia.

TRIDENT
WATER METERS
 For New and Old Properties
 PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

Lewis Lumber Co.

Lumber
Stock Millwork
Jobbers' Lumber
Sheetrock
Flintkote Shingles
324 Sloan Street
Philadelphia

(Between 39th and 40th, off Powelton Ave.)

Phone, Evergreen 4769

PILES, FOUNDATIONS
CAISSONS
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
 1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
 "THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
 Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.

ARROWHEAD STEEL GRATINGS

FRANK PETTIT ORNAMENTAL IRON WORKS

REGENT 9857

1505-15 N. Mascher Street, Phila.

PARK 4147-4148

Restaurant (alts.), 33 South Fifteenth street, Philadelphia, \$3,000. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Cadillac Restaurant, on premises. General alterations. Contract awarded Alex. Laub, 812 West Wyoming avenue, Philadelphia. (Note contractor.)

Service Station, Northeast Corner Fifth and Fisher's avenue, Philadelphia, \$2,500. Architect, private plans. Owners, Spartan Oil Co., Baynton and Armat streets, Philadelphia. Brick, 1 story, 14x18 feet. Contract awarded Barba & Feinmarello, 120 East Rittenhouse street.

Garage, Seymour street (rear of No. 39), Philadelphia, \$2,400. Architect, private plans. Owner, S. Taylor, on premises. Brick, 1 story, 35x30 feet. Contract awarded F. C. Wartman, 41 East Seymour street, Philadelphia.

Residences (2), West side Claridge street, North of Shelmire street, \$10,000. Architect, private plans. Owner, August Glaser, Bleigh and Whittaker streets, Philadelphia. Brick, 2 stories, 14x46 feet, slag roof, hardwood and pine floors, electric light. Contract awarded Michael Glaser, Southwest Corner Lawndale and Cottman streets, Philadelphia.

Garage, South side Folsom street, West of Forty-eighth street, Philadelphia, \$4,000. Architect, private plans. Owners, New Way Laundry, 4809 Aspen street, Philadelphia. Brick, 1 story, 62 feet 6 inches x 10 feet, slag roof, cement floors. Contract awarded H. F. Brown, 6100 Ridge avenue, Philadelphia.

Residence and Stores (add. and alts.), 1155-57 South Ninth street, Philadelphia, \$3,000. Architect, private plans. Owners, Sosangelis Brothers, Ninth and Montrose streets, Philadelphia. Brick, 1 story add., 13x12 feet, general alterations. Contract awarded to A. Pizzi, 5500 West Girard avenue, Philadelphia.

Elevator Shaft, Northwest Corner Thirty-first and Jefferson streets, Philadelphia, \$2,000. Architect, private plans. Owners, Estate of F. A. Poth, 1221 Arch street, Philadelphia. Contract awarded A. A. Ardis, Jr., & Co., 310 South Fourth street, Philadelphia.

Residences (2), West side Veree road, North of Loney street, Philadelphia, \$8,500. Architect, private plans. Owner, Charles J. Russell, 5003 Penn street, Philadelphia. Brick, 2 stories, slag roof, hardwood and pine floors, electric work. Contract awarded to William G. Isles, 310 Levick street, Philadelphia.

Residences (2), East side Alicia street, South of Strahl street, Philadelphia, \$7,000. Architect, private plans. Owner, J. A. Bacher, 7862 Oxford avenue, Philadelphia. Brick, 2 stories, 16x26 feet, 16x8 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded to H. W. Myers, 638 Solly avenue, Philadelphia.

Residences (5) (add.), 4901-09 York road, Philadelphia, \$4,000 total. Architect, private plans. Owners, Dando Brothers, 4901 York road, Philadelphia. Brick, 1 story add., 7 feet 8 inches x 11 feet. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Service Station, N. E. Cor 6th and Christian sts., \$4,500. Architect, private plans. Owners, American Oil Co., 3700 North Broad street, Philadelphia. Brick, 1 story, 16x16 feet. Contract awarded T. J. O'Connell, 3700 North Broad street, Philadelphia.

Greenhouse (add.), 2223 North Front street, Philadelphia, \$3,000. Architect, private plans. Owner, Joseph Stein, on premises. Steel frame, 2-room, 36x31 feet. Contract awarded Hitching & Co., 6709 North Broad street, Philadelphia.

Storage Shed, 3252 Goodman street (rear), Philadelphia, \$2,000. Architect, private plans. Owners, Bengal Oriental Rug Co., Eleventh street, North of Allegheny avenue. Brick, 1 story, 11x150 feet. Contract awarded D. H. Strand, Eleventh and Allegheny avenue, Philadelphia.

Miscellaneous Paving, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways, Philadelphia. Benner street, Eastern Asphalt Co., 1600 Arch street, \$16,998.69. Bristol street, Union Paving Co., Thirtieth and Locust streets, \$6,018.48. Bross street, Mack Paving Const. Co., Nicetown and C, \$9,180.50. Charles street, Eastern Asphalt Co., 1600 Arch street, \$7,474.96. Belmont, Union Paving Co., Thirtieth and Locust streets, \$43,884. Green Lane Bridge (reinforcement), C. A. McDonald, 809 North Sixty-third street, Philadelphia, \$44,070.

Factory, 23 Price street, Phila. Architect, Robert Gill; 5600 Germantown avenue, Phila. Owner, Andrew Blum, 25 E. Price street, Phila. Brick, 1 story, 40x50 feet (plumbing, heating, electric reserved), pine floors, steel sash, iron work. Contract awarded John Roman, 415 E. Brighthurst street, Phila.

Residence, 24 E. Gorgas Lane, Phila. Architect, J. W. Keyes, Otis Building, Phila. Owner, T. Phelts Todd, care of architect. Frame, 2½ stories and basement, 20 40 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, tile work. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Phila.

Gas Station, N. E. Corner Rising Sun and Colgate Street, Phila., \$5,000. Architect, private plans. Owner, T. Willig, 1907 N. American Street, Phila. Brick, 1 story, 12x16 feet. Contract awarded Eldee Const., Co., 1907 N. American street, Phila.

Gas Station, East side Belfield Avenue, W. of Ogontz, Avenue, \$3,500. Architect, private plans. Owners, Atlantic Refining Co., 260 S. Broad street, Phila. Brick, 1 story, irregular size. Contract awarded Metzger, Fisher & White, Otis Building, Phila.

Pennsylvania Construction News

Twin Residences and Garage (4 pairs), Fountain and Union avenue, Elkins Park, Pa. Architect, E. Allen Wilson; 1208 Chestnut street, Phila. Owner, J. Henry Parker, 20th St. and 68th avenue, Phila. Stone, concrete block, stucco, frame, 2 stories, 16x53, wood shingle roof, hardwood and cement floors, hot water heat, electric light, tile work, metal lath. Owner taking sub-bids.

Residence (alts.), Bethlehem Pike, near Germantown avenue, Phila. Architects, Til-

den, Register & Pepper, 1520 Locust street, Phila. Owner, J. E. Zimmerman, 1600 Walnut street, Phila. Stone, 2 stories, 30x30 feet. Plans completed, ready for bids in a few days.

Residence, Elkins Park, Pa. Architect A. C. Borzner, 717 Walnut street, Phila. Owner, R. F. Keeney, Elkins Park, Pa. Stone, 2½ stories, 26x63 feet, hardwood floors, electric light, tile work. Owner will build.

Roadwork and Bridges, Delaware County, \$900,000. Owners, Delaware County Commissioners, Media, Pa. Work contemplated.

Community Center Building, Northampton, Pa., \$60,000. Architect, not yet selected. Owners, American Legion Post 353, Paul Bachman, 1817 Lincoln avenue, Northampton, Pa. Brick, 2 stories. Work contemplated.

Club House, Collingdale, Pa. Architect, Willis A. Hall, 6932 Market street, Upper Darby. Owners, Glendale Country Club, F. Wilson, Collingdale, Pa. Frame, 2 stories, electric. Plans in progress.

School Building, Sugarloaf, Blackwood Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Sugarloaf, Blackwood Township, Pa. Plans completed.

Swimming Pool, Lincoln Highway, Somerton, Bucks County, Pa. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Reinforced concrete, 75x100 feet, filters, lockers, etc. Plans in progress.

Garage and Service Station, Fifth and Penn streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owners, Margolin, Fogel & Cohen, Chester, Pa. Brick, concrete, steel. Revised plans in progress. Ready for bids in two weeks.

Stores (2), Apartments (2) and Alterations to Stores (2) and Apartments (2), Main and Broad streets, Lansdale, Pa. Architect, Jerome S. Landes, Lansdale, Pa., Souderton. Owner, John Daub, Lansdale, Pa. Brick, 2 stories, 14x32 feet, 14x26 feet, slag roof, pine and maple floors, steam heat, tile work, interior alterations, metal bulks, plate glass. Plans in progress.

Residence Development (56), College lane, Ithan avenue, Bryn Mawr, Pa., \$25,000 to \$30,000. Architects and owners, R. L. Colton and Dr. C. G. Feinwich, 1520 Locust street. Various types and sizes. Work contemplated, spring, 1928.

Recreation Building, Penn State, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Penn State College, Penn State, Pa. Plans completed. Ready for bids in a few days.

Bank, Lansdale, Pa. Architect, Jerome S. Landes, Souderton, Pa. Owners, Lansdale Title & Trust Co., care of architect. Cast stone, brick, 1 story and basement, 30x60 feet, built-up roof, tile and linoleum floors, plumbing, steam heat, electric light, marble work, bank fixtures, iron grills. Architect taking sub-bids due as soon as possible.

Residence, Wyomissing, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owner, Keller B. Albert, Baer Building, Reading, Pa. Stone, frame, 2½ stories,

50x34 feet, slate roof, hardwood floors, hot water heat, electric light, metal lath. Architect ready for bids.

Hospital (add. and alts.), Sellersville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Grand View Hospital, W. A. Derstine, 239 Branch street, Quakertown, Pa. Brick, 2 stories, slate roof, composition and maple floors, electric work, tile and marble. Owners ready for bids.

Hospital, Lima, Delaware County, Pa. Architect, George S. Idell, Corn Exchange Building, Philadelphia. Owners, Delaware County Poor District, E. B. Cheney, Lima, Delaware County, Pa. Brick, terra cotta, 1 story, 150x59 feet, slate roof, concrete and hardwood floors, vapor heat, electric light, tile work. Ready for bids about November 11th. Bids due about December 1st.

Glenside School (add.), also Junior High School, Glenside. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Board of Education, B. Wunderle, Cheltenham Township, Pa. General construction, plumbing, heating, electric, drainage. Certified check, 1 per cent. Owners taking bids on each job November 29th, 8 P. M. Deposit, \$15, on each school, refunded.

Heating, Lansdowne High School, Lansdowne, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Lansdowne Board of Education, Lansdowne, Pa. Architects taking bids due November 15th.

Y. W. C. A. Building, Williamsport, Pa., \$300,000. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Y. W. C. A., Mrs. H. W. Whitehead, 30 Central avenue, East Williamsport, Pa. Brick, steel, 4 stories and basement, 252x65 feet, slate roof, cement floors, hollow tile, elevators, safety treads, roof ventilators, iron stairs, bond, fire doors, tile, marble, metal lath (heating, plumbing and electric separate). Architects will be ready for bids about November 15th.

Store and Office, Second street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Miller Kades, on premises. General interior alterations, oak floors, elevators, tile work. Architect taking bids.

Hog House, Poultry House, Garage (add.), Muncy, Pa. Owners, Board of Managers, State Industrial Home for Women, F. Wilson, Muncy, Pa. Owners taking bids due November 14th at noon.

Lodge Building, Carlisle, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg,

Pa. Owners, Carlisle Castle Association, Samuel Goodyear, Carlisle, Pa. Brick, cast stone, steel, 3 stories, 60x55 feet, composition roof, hardwood floors, electric light, tile and marble, iron stairs, bond, casement windows. Architect taking bids due November 10th at 1 P. M.

Armory, Elmwood Park, Norristown, Pa. **Stable and Gun Shed**, Williamsport, Pa. **Drill Shed**, Lancaster, Pa. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Armory Board of State of Pennsylvania, Adjutant General, Harrisburg, Pa. Owners taking bids due November 26th.

Sewers (14), Norristown, Pa., \$75,000. Borough engineer, E. F. Corson, Norristown, Pa. Owners, Borough of Norristown, Pa. Plans in progress.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, James L. Stuart, secretary, Harrisburg, Pa. Owners taking bids due November 18th at 10 A. M.

Allegheny County, R-115, Spur Sec. 2, Findley Township, 11,916 feet. One course reinforced concrete. Certified check, \$2,000.

Bucks County, R-150, Bensalem and Bristol Townships, 1,071 feet. Grading and drainage. Certified check, \$1,000.

Butler County, R-246, Cranberry and Jackson Townships, 37,018 feet. One course reinforced concrete. Certified check, \$5,000.

Clearfield County, R-276, Sec. 2, Gulich Township, 18,716 feet. One course reinforced

WE SELL With or Without Service

FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete

Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.
1844 North Front Street, Philadelphia
Phone—Regent 5911 Park 1373

**"ORTHITE" Products for Every
Requirement in Concrete**

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

Plant
Wissahickon Ave. & Juniata St.

WE BUILD ANYTHING

LAND - ARMSTRONG & LATTA CO., PHILADELPHIA - WATER

concrete. Certified check, \$2,500.

Dauphin County, R-1, Upper Paxton Township, 3,624 feet. Grading and drainage. Certified check, \$1,000.

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

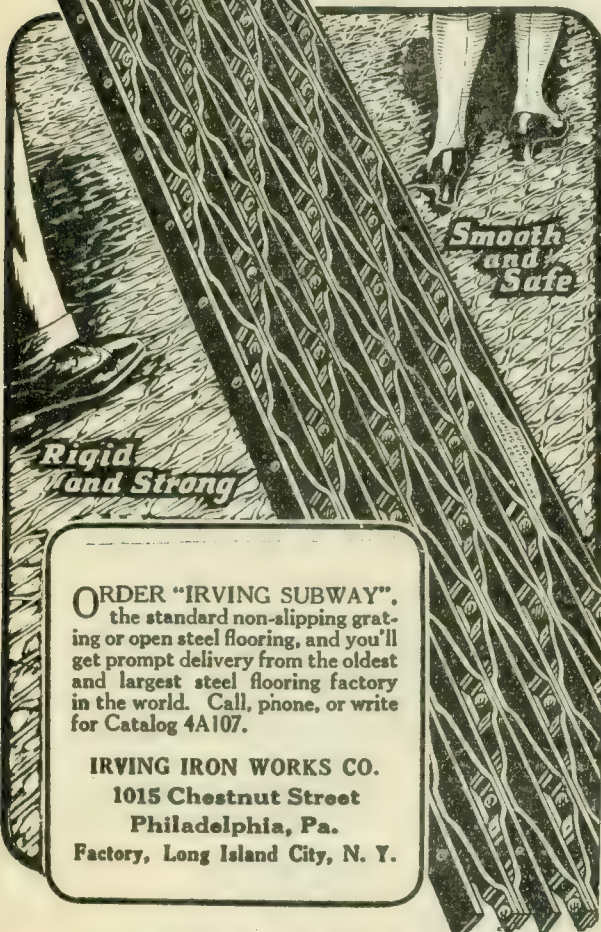
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings —*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**

Greene County, R-111, Sec. 7, Franklin Township, 1,250 feet. Grading and drainage. Certified check, \$500.

Lancaster County, R-527, Eden Township, Quarryville Borough, 7,892 feet. One course reinforced concrete. Certified check, \$1,500.

McKean County, R-100, Sec. 2, Otto Township, 10,309 feet. One course reinforced concrete. Certified check, \$2,000.

Mifflin County, R-470, Granville Township, 1,378 feet. One course reinforced concrete. Certified check, \$500.

Northumberland County, Union County, R-460, Delaware and Gregg Townships, 4,406 feet. One course reinforced concrete. Certified check, \$2,000.

Potter County, A-4809, Harrison Township, 5,427 feet. One course reinforced concrete. Certified check, \$1,500.

York County, A-4929-30, Shrewsbury Township, New Freedom Borough, 6,610 feet. One course reinforced concrete. Certified check, \$1,500.

Westmoreland County, R-302, A-4910, Fairfield and St. Clair Townships, 8,078 feet. One course reinforced concrete. Certified check, \$2,000.

Cambria County, R-525, Sec. 2, Lower York Township.

Westmoreland County, R-525, Sec. 2, St. Clair Township.

Indiana County, R-525, East Wheatfield Township, Armagh Borough, 32,311 feet. One course reinforced concrete. Certified check, \$5,000.

Pennsylvania Contracts Awarded

Sewer Parkeview avenue, Upper Darby, Pa., \$6,800. Owners, Commissioners of Upper Darby Township, Darby, Pa. Contract awarded to Carson & Carson, 22 S. 15th street, Phila.

Bank Building, Bryn Mawr, Pa. Architects, Thomas M. James Co., 342 Madison avenue, New York. Owners, Bryn Mawr Trust Co., Phillip A. Hart, Bryn Mawr, Pa. Reinforced concrete, brick, steel, granite, cut stone, 3 stories and basement, 105x84 feet, wing 28x64 feet, Barrett specification roof, cement floors, elevators, plumbing, waterproofing and dampproofing, area gratings, bronze work, ornamental iron work, casement windows, iron stairs, bond, tin-clad and kalamain doors, rolled steel skylights, hollow metal sash, tile and marble work, vacuum heat, electric light, oil burner, vitrolite, acoustical treatment, celotex, metal furniture, limestone, rubber mats, linoleum floors, cork tile floors. Contract awarded F. L. Hoover & Son, 1023 Cherry street, Philadelphia.

East End Junior High School (add.), Lancaster, Pa. Architect, M. R. Evans, 10 East Orange street, Lancaster, Pa. Owners, School District of Lancaster, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 3 stories and basement, 280x125 feet, Barrett roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, Indiana limestone, cut stone, wrought iron pipe, iron stairs, bond, fire doors, tile, marble and terrazzo, metal lath. Contract awarded D. S. Warfel, 452 North Prince street, Lancaster, Pa., \$310,637. Plumbing, Paul E. Goodfisch, Lancaster, Pa., \$27,660. Heating, Musselman & Schwartz, 130 North Christian street, Lancaster, Pa., \$94,500. Electric, Mitchell & Co., 1337 North McFerren street, Philadelphia, \$19,990.

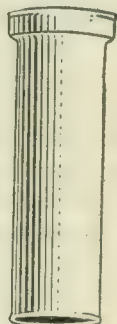
Office Building, Wyncote, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owners, Nicholson Brothers, Wyncote, Pa. Brick, steel, 1 story and basement, 20x33 feet, slate roof, pine floors, plumbing, hot water heat, electric light. Contract awarded Stahl & Walton, Willow Grove, Pa.

Store and Apartments (2), Meadow lane, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, Oscar Baylin, care of architect. Brick, 2 stories, hot water heat, slag roof, hardwood floors, electric light. Contract awarded Jacob Goldberg, Chester, Pa.

Parsonage, Bethlehem pike, above Tennessee avenue, Bosler, Pa. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owners, The Artman Home for Lutherans, on premises. Stone, brick, steel, 2 stories and basement, 27x27 feet, shingle roof, oak and pine floors, plumbing, hot water heat, electric light, tile work, hollow metal sash, iron pipe. Contract awarded Angelo DeRenzo, Bristol, Pa.

Church, State College, Pa. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owners, St. Andrew's Protestant Episcopal Church, State College, Pa. Stone, brick, cut stone, 1 story and basement, 63x35 feet, wing 23x54 feet, wing 29x20 feet, green slate roof, cement and pine floors, hollow tile, plumbing, wrought iron pipe, ornamental iron work, vapor heat, electric light, metal lath, tile and terrazzo work, bluestone. Contract awarded Berkebile Brothers, Johnstown, Pa.

Theatre, Stores and Apartments, Allentown, Pa. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, steel, 2 stories and basement, 94x120 feet, slag roof, oak, pine and cement floors, plumbing, steam heat, electric light, metal lath, bond, ornamental iron work. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.



FLUE LINING, WALL COPING, SEWER PIPE

On every order you can **DEPEND** upon the efficiency, courtesy and thoroughness that characterizes our **REAL SERVICE**

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Garage, Lansdowne, Pa. Architect, private plans. Owners, Philadelphia Suburban Water Co., Bryn Mawr, Pa. Brick, steel, 1 story, 72x72 feet, slag roof, cement floors, rolled steel sash and skylights, ornamental iron work (plumbing, heating, electric reserved). Contract awarded F. H. Wilson, Oakmont, Pa.

Children's Hospital, Unit No. 3, near Elizabethtown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Department of Public Health, T. B. Appell, Harrisburg, Pa. Brick, cut stone, granite, steel, reinforced concrete, 2 stories and basement, 74x36 feet, 48x29 feet. Low bidders. Contracts awarded: F. K. Worley Co., Wesley Building, Philadelphia, \$182,126; heating, John Borden & Bro., 637 North Nineteenth street, Philadelphia, \$17,790; plumbing, W. H. Walters & Son, 1314 North Carlsle street, \$16,900; electric, Conestoga Elec. Co., Lancaster, Pa.

Store Building, Reading, Pa. Architect, I. Demschick, 1701 Chestnut street, Philadelphia. Owner, M. Schwartz, Reading, Pa. Brick, limestone, 2 stories. Contract awarded Daniel Hunter, Reading, Pa.

Armory, Carbondale, Pa. Architect, R. E. Tiffany, M. and M. Bank Building, Carbondale, Pa. Owners, State of Pennsylvania, F. D. Beary, chairman, Armory Building, Harrisburg, Pa. Brick, limestone, steel, 1 story and basement and ground floor, 68x121 feet, slag roof, cement and maple floors, ornamental iron, kalamein doors, steel sash, marble, terrazzo, metal lath, asbestos sheet tile. Contract awarded to Berwick Lumber & Supply Co., Berwick, Pa., \$60,147.

Armories (2), Lock Haven, Pa. Architect, J. F. Kuntz, 909 Westinghouse Building, Pittsburgh, Pa. Owners, State Armory Board, F. D. Beary, chairman, Armory Building, Harrisburg, Pa. Brick, 1 story. Contract awarded to Tidlow Brothers, Lock Haven, Pa.

Home (add. and alts.), Newville, Pa., \$10,000. Architects, Lawrie & Green, Odd Fellows' Building, Harrisburg, Pa. Owners, Presbyterian Home of Central Pennsylvania, Dr. Shaffer, Carlisle, Pa. Brick, steel, 2 stories and basement, tin roof, hardwood floors, steel sash. Contract awarded to H. A. Lackey, Carlisle, Pa.

Residence (add. and alts.), Robeson, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, H. Dale Thomas, American Casualty Building, Reading, Pa. Stone, 2 stories, 107x40 feet, partitions, tile work, general interior alterations. Contract awarded C. H. Schlegel, 528 Washington street, Reading, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Mifflin County, A-4528, Burnham Borough. One course reinforced concrete. Contract awarded to J. B. Trexler, Lewis-town, Pa., \$62,649.50.

Perry County, R-122, Madison Township. Grading and drainage. Contract awarded J. M. Hutchinson, Altoona, Pa., \$34,325.20.

New Jersey Construction News

Theatre, Mt. Ephraim, N. J. Architects, Thalheimer & Weitz, 10 South Eighteenth

street, Philadelphia. Owner, Thomas Lazaric, Mt. Ephraim avenue, Camden, N. J. Brick, limestone, 1 story and 2 stories, 1,000 seating capacity. Plans in progress.

Church, Ocean City, N. J. Architect, E. G. Perrot, 1211 Arch street, Philadelphia. Owners, St. Augustine's Roman Catholic Church, Rev. T. F. Blake, Ocean City, N. J. Stone, 1 story. Plans in progress.

School Building, Earlton, N. J. Architects, Edwards & Green, Camden, N. J. Owners, Board of Education, Delaware Township, Ellisburg, N. J. Brick, stone. Plans in progress. Will be ready for bids in 3 weeks.

Community Center, Merchantville, N. J. Architect, A. H. Moses, Camden, N. J. Owners, Board of Chosen Freeholders, Merchantville, N. J. Plans in progress. Ready for bids in a month.

Borough Hall, Merchantville, N. J. Architect, A. H. Moses, Camden, N. J. Owners, Borough of Merchantville, N. J. Brick, stone, steel, 2 stories. Plans in progress. Will be ready for bids in one month.

Nurses' Home, State Hospital, Trenton, N. J. Architect, Charles J. Leatham, State Office Building, Trenton, N. J. Owners, Department of Institutions and Agencies, W. J. Ellis, Commissioner, State Office Building, Trenton, N. J. Brick, 2 stories, 30x60 feet, slate roof, hardwood floors, wood joist, tile, metal lath, copper, limestone, kalamein work, structural steel. Ready for bids end of this week.

Work House (add.), near Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Mercer County Board of Chosen Freeholders, W. Fowler, Clerk, Court House, Trenton, N. J. Brick, steel, 2 stories and basement, 45x112 feet, slag roof, concrete floors, electric light, iron stairs. Owners will be ready for bids this week.

Hospital, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, St. Francis' Hospital, Sister Alcantara, Chambers and Hamilton streets, Trenton, N. J. Steel, brick, concrete, 4 stories, 170x44 feet, concrete slab roof, maple, concrete and terrazzo floors, hollow tile, (2) elevators, safety treads, roof ventilators, metal window guards, ornamental iron, iron stairs, bond, fire doors, steel skylights, steel sash, tile and marble, metal lath (heating, plumbing and electric reserved). Architect will take bids this week.

Residence and Garage, Tavistock Boulevard, Tavistock, Haddonfield, N. J. Architect, H. E. Hall, Merchantville, N. J. Own-

er, E. G. Strang, Merchantville, N. J. Brick, 2½ stories, 41x32 feet, 20x24 feet, hot water or vapor heat, electric light, tile, plumbing, slate or asbestos shingle roof, hardwood and cement floors, copper flashings. Plans in progress. Owner will build and will sub-let.

Wyoming Tribe No. 55 Building, 417 Pearl

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue
West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

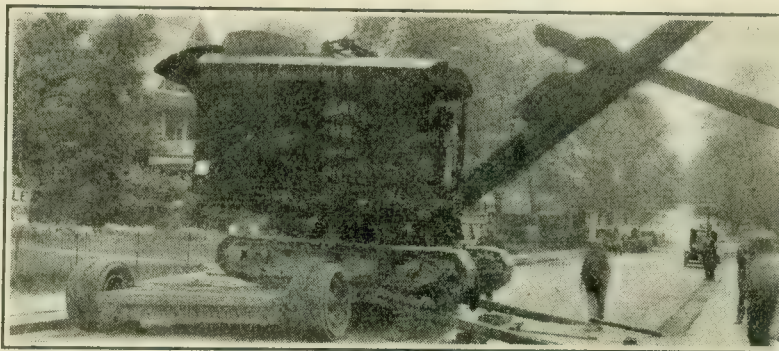
TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

street, Camden, N. J. Architect, Howard E. Hall, Merchantville, N. J. Owners, I. O. R. M., Camden, N. J. Low bidder on alternate set of plans: J. D. Lawrence, Westville, N. J., \$21,760. Low bidder on first set of plans: C. E. Widell, Camden, N. J., \$40,150. Decision to be made at meeting on November 22nd.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 15, Sec. 11, East Creek to South Dennis, Cape May County. Excavation, double line reinforced concrete pavement, borrow, (4) small span bridges.

Route 18-S, Pittsgrove to Elmer, Salem County. Unclassified excavation, double line reinforced concrete pavement. Certified check, 10 per cent. Deposit, \$10. Owners taking bids due November 21st at noon.

Bank and Office, Broadway and Market street, Camden, N. J. Architects, Rankin & Kellogg, 1805 Walnut street, Phila. Owner, Camden Safe Deposit & Trust Co., Camden, N. J. Brick, steel, limestone, 5 stories, 70x120 feet. Preliminary plans in progress.

Church, Atlantic City, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Phila. Owner, First Church of Christian Scientist, Brighton avenue, Atlantic City, N. J. Stone, first sketches in progress.

Y. M. H. A., 6th and Market streets, Camden, N. J. Owners, Y. M. H. A. and Y. W. H. A. Lieberman, 307 Market street, Camden, N. J. Work contemplated.

New Jersey Contracts Awarded

Building, Atlantic City, N. J. Architect, J. Vaughn Mathis, Guarantee Trust Building, Atlantic City. Owners, Young Women's Christian Association, Atlantic City, N. J. Brick, cut stone, concrete, limestone, steel, 5 stories and basement, 114x90 feet, built-up and slate roof, maple, cement and oak floors, hollow tile, elevators, safety treads, wire window guards, metal weatherstrip, integral waterproofing, dampproofing, wrought iron pipe, ornamental iron, floor hardener, iron stairs, bond, seel sask and skylights, kalamein doors, metal lath, tile, marble and terrazzo, electric light, vacuum steam heat. Contract awarded P. G. Hannum, Georgia avenue and Thorofare, Atlantic City, N. J.

Dining Room (alts.), Atlantic City, N. J. Architect, W. H. Flanagan, 828 Lancaster avenue, Bryn Mawr, Pa. Owners, Hotel Dennis, W. J. Buzby, Atlantic City, N. J. Reinforced concrete, brick work, cut stone, iron work, carpentry and mill work, sheet metal work, plastering, electric work, painting, glazing, hollow tile floors, furnishing, slag roof, waterproofing (heating, plumbing, decorating reserved). Contract awarded J. Mathis & Son, Atlantic City, N. J.

Miscellaneous Construction News

Publishing Building, Newark, Del. Architect, E. C. May, DuPont Building, Wilmington, Del. Owner, E. M. Davis, Delaware Trust Building, Wilmington, Del. Sketches in progress.

Residences (7), Wilmington, Del., \$65,000. Architect, John A. McKibbin, Industrial Trust Building, Wilmington, Del. Owner, Peter W. Newell, 801 West Ninth street, Wilmington, Del. Brick, 3 stories, 25x35 feet, tile roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Residences (4), Clayton street, Wilmington, Del., \$24,000. Architect, private plans. Owner, A. Fortunato, 1337 West Fourth street, Wilmington, Del. Brick, 2 stories, 23x33 feet, slag roof, pine and hardwood floors, hot water heat, electric light, tile work. Permit issued.

Office and Shop, Wilmington, Del., \$12,000. Architect, private plans. Owner, William M. Francis, DuPont Building, Wilmington, Del. Brick, 1 story, 75x106 feet, slag roof. Permit issued.

Garages (43), Wilmington, Del., \$8,600. Architect, private plans. Owner, Joseph Mendenhall, 1114 Broome street, Wilmington, Del. Concrete block, 1 story, 8x18 feet each, slag roof, cement floors. Permit issued.

School (add.), Brunswick, Md. Architect, J. B. Hamme, 31 West Market street, York, Pa. Owners, Frederiek County School Board, L. G. Palmer, secretary, Court House, Frederick, Md. Brick, steel, 2 stories and basement, 117x40 feet, 117x40 feet, composition roof, slate roof, hardwood floors, hollow tile, bond, fire doors (heating, plumbing and electric separate). Lowest bidder: King Lumber Co., Charlottesville, Va.

Road Work, Delaware. Owners, State Highway Department, Dover, Del. Contract 88, State Wharf at Little Creek. Timber bulkhead, (1) 10-foot span timber bridge.

Contract 97, Corbit-Bear, 2.834 miles. Clearing, grubbing, excavation, borrow, broken stone base course, cement concrete pavement, longitudinal metal joint, longitudinal joint (non-metallic), Class A concrete, reinforcement, corrugated metal pipe, R. C. pipe, re-laid pipe, pipe underdrain, concrete gutter, wire cable guard rail, wood shoulder curb.

Contract 98, grading and surfacing earth road, 1 mile.

Contract 99, State Highway Police Station, State Road. Plans and specifications \$2.00 per set. Certified check, 10 per cent. Owners taking bids due November 30th, at 2.30 P. M.

Miscellaneous Contracts Awarded

School, Delmar, Del. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, Delaware School Foundation, A. J. Taylor, vice-president, 4116 DuPont Building, Wilmington, Del. Brick, steel, 2 stories and basement, 181x81 feet, slag roof, pine and cement floors, ornamental iron, bond, metal lath. Contract awarded Hastings & Parsons, Salisbury, Md., \$113,780. Plumbing, Lewis Morgan & Sons, Salisbury, Md., \$7,813. Heating and ventilating, Lewis Morgan & Sons, Salisbury, Md., \$16,000. Electrical, E. F. Higgins & Co., 843 Tatnall street, Wilmington, Del., \$4,685.

Office Building (alts. and add.), Calvert street, Mercer and Water streets, Baltimore, Md. Architects, Wyatt & Nolting, Keyser Building, Baltimore, Md. Owners, United States Fidelity & Guar. Co., Baltimore, Md. Brick, granite, limestone, steel, 12 stories and basement, 7 stories and basement, 42x83 feet, 114x39 feet, slag roof, cement and mastic floors (plumbing, heating, electric reserved), metal lath, tile and marble and terrazzo work, rolled steel sash and skylights, hollow metal sash and doors, bond, iron stairs, bronze work, area gratings, waterproofing and dampproofing, architectural terra cotta. Contract awarded Henry Miller, Baltimore, Md.

House of Correction (add.), Jessup, Md. Architect, Theodore Wells Pietsch, American Building, Baltimore, Md. Owners, Maryland House of Correction, Jessup, Maryland. Brick, steel, 1 story and basement, 267x60 feet,

steam heat, electric light, metal lath, rolled steel sash, bond, ornamental iron work, slate roof, cement floors, plumbing. Contract awarded Davis Const. Co., Baltimore, Md.

Stores and Apartment (add. and alts.), 520-22 West Eighth street, Wilmington, Del., \$105,000. Architect, private plans. Owner, William S. Williams, care of builder. Brick, 3 stories, 20x12 feet, general alterations. Contract awarded D. Dangel Sons, 508 North Van Buren street, Wilmington, Del.

Gas Station, Wilmington, Del., \$6,800. Architect, private plans. Owner, H. Greenstine, 518 West Thirtieth street, Wilmington, Del. Brick, 28x31 feet, concrete roof, cement floors, hot water heat. Contract awarded L. R. Springer, 605 West Eighteenth street, Wilmington, Del.

Residences (8), Wilmington, Del., \$6,400 each. Owners, Brenwood Co., Ninth and Orange streets, Wilmington, Del. Brick, 2 stories, 18x33 feet, slate and slag roof, hot water heat, electric light. Contract awarded Stephen Jackson, 823 Orange street, Wilmington, Del.

AMERICAN CONSTRUCTION COUNCIL

The deliberations of the Sixth Annual Convention of the American Construction Council, Franklin D. Roosevelt, President, to be held at the Hotel Statler, St. Louis, Mo., December 1st to 3rd, will center along the general theme of "Assaying the Construction Industry—Its Needs and What Should Be Done About Them," according to announcement made by Dwight L. Hoopingarner, the Council's Executive.

With the transition from the hectic building conditions of the past few years into the coming period of more modulated construction, it is felt that the most important service the Council can render the construction industry and the public at this time is to make a searching assay of trends and tendencies and underlying relations throughout the entire construction industry and give careful consideration to what these may augur for the future.

Emphasis throughout the convention's deliberations will be directed toward a two-fold purpose—building better business for the building industry and at the same time putting the public interest paramount, which as the Council has continuously brought to the attention of all concerned for the past five years must go hand in hand for healthy business not only in construction, but for the country at large.

The convention will, therefore, take on the atmosphere of round-table discussions with speakers of national prominence addressing the gatherings to focus attention along these lines.

S. Libman, formerly with the Sterling Products Company, which was absorbed by the Arco Company, has now started in the manufacture of caulking and roofing compounds and kindred products. His Philadelphia address is P. O. Box 33.

BUILD THE ROOF TO SUIT THE PLANT

1. *A Water-tight Roof; the Roof and Lighting*

BY WENDELL S. BROWN

*F. P. Sheldon and Son, Engineers and Architects, Providence, R. I.*Reprinted by special permission from *Factory, the Magazine of Management*

(Continued from last week)

Two Plans of Lighting

Roof design seems to divide itself into two major types as to fenestration or window arrangement. First is the one-way type, in which the directly entering light comes from the same portion or half of the sky. The ordinary saw-tooth belongs to this type.

Second is the two-way or opposed type, in which the entering daylight is derived from opposite portions of the sky.

The monitor roof and the opposed saw-tooth exemplify this type. Horizontal roof openings covered with a flat or hipped skylight may be considered as an extreme case coming under this classification.

It should not be inferred from the above classification that the one-way arrangement produces unidirectional lighting as against lighting from two directions with the other type. A properly designed saw-tooth roof produces excellently diffused light on account of the enormous angular size of the light source, and on account of reflection from the ceiling, while the two-way type, which admits considerably greater amounts of direct sunlight, may result in what is, by contrast, intensely unidirectional light.

It is perfectly practical with any given design to calculate definitely the time of admission of direct sunlight, its duration and varying location, and the form of sun streaks upon the working plane for any day in the year, provided the latitude of the place and the orientation of the building is known.

Such computations involve simple trigonometry and descriptive geometry and for many occupancies offer plainly profitable possibilities.

By facing the glass of a one-way saw-tooth roof away from the sun (that is, north, in the northern hemisphere) and fixing the slope of the glass in accordance with the latitude of the place, the roof can be designed to prevent all direct sunlight whatever from entering the building throughout the average day of the year and also during most of the working-hours of the longest day of the year. The important point is to do so without undue sacrifice of diffused daylight. It is also a relatively simple matter to compute accurately the comparative illumination for different designs.

Tempering Direct Light to the Work

Often direct light from the sun and sky falling upon the adjacent saw-tooth roof may be used, being tempered by double reflection, first from the back of this roof, thence through the glass to the adjacent saw-tooth ceiling, and thence to the work.

The curbs under the glass of saw-tooth roofs should be made as low as is consistent with protection against the elements—this not only from the standpoint of first cost but also of good lighting.

And it seems to be a happy coincidence that in the South, where a very appreciable decrease in daylighting would otherwise occur, due to the increased slope of glass required for shutting out the sun at these latitudes, this loss is largely compensated for by using a shallower valley than would be advisable in northern climates where accumulations of snow and ice are to be reckoned with in cold weather.

Opposed saw-tooth and monitor types of roofs, however, cannot be designed to eliminate direct incidence of sunlight upon the lighting areas. Reliance must be placed upon certain more or less unsatisfactory expedients for reducing its effect. For instance, whitewashing the glass offers some protection but produces glare, and, on cloudy days, a serious loss of illumination.

Curtains or venetian blinds are impracticable in a large proportion of industrial buildings, and ribbed glass collects dirt and may produce, in addition, objectionable glare.

In the case of one-way saw-tooth roofs, if the locality and service permit of maintaining white or light-colored roof and ceiling surfaces, increased light resulting therefrom may amount to as much as 30% or 40%. This requires the use of white slag or gravel on the back of the saw-tooth and of white paint on the ceiling.

It is not necessary to emphasize the fact that dirt is an important factor in the reduction of light transmission through glass. However, light transmission is often reduced, from this cause, as much as 50%, 75%, or even 90%. Dirt is especially apt to collect on non-vertical surfaces. It is becoming quite customary to furnish buildings with equipment to facilitate the maintenance of clean windows.

Much of the effectiveness of any arrangement of windows will be lost if they are not periodically taken care of and ease of cleaning and access should be one factor taken into account in planning on the type of fenestration to be used.

You can't expect to do your "bit" of this busy world's business unless you enlist in the advertising ranks.

THE "USED" HOME AND THE NATIONAL PROSPERITY

BY GEORGE E. PIPER

*The Household Magazine**An address made to the Southern Builders' Supply Association at Biloxi, Mississippi.*

Mr. President and Gentlemen:

I believe it is safe to assume from the fact that you have invited me to discuss this subject that many of you are somewhat anxious about the future volume of building material business and profits. In some of your towns and cities building is still proceeding without any letup but in others it is declining slowly,—while in some it is already very quiet and in many others in a state of serious stagnation.

Since I am appearing before you as sponsor for a new thought or idea in the building situation, it might be well for me at this time to explain that this is due to the sheerest accident. Nearly a year ago I was asked to assume some of the responsibility in determining just what type of editorial department would best serve the large list of *Household Magazine* subscribers in the most helpful, interesting and timely manner. Nearly all magazines and newspapers devote a great deal of attention to housing, and have been very helpful in promoting and inspiring higher standards of living. Usually almost exclusive attention has been given to New Homes; plan services have been offered and in various other ways these publications have contributed substantially toward a higher standard of living and a greater prosperity in the building and construction field.

In discussing our problem with many retailers, manufacturers, trade publications, trade associations and others who were in a position to be well informed in the building field, and after surveying the building situation and its future prospects as completely as possible, it was impressed upon me that the most constructive work we could do, editorially, would be not only to discuss the new home but also to inform and enthuse our subscribers regarding the possibilities that lay before them in the Remodeling and Rehabilitation of existing but not quite modern homes.

It was pointed out that residential construction is on the decline and that it was questionable if all types would hold their large present volume, that the large surplus manufacturing facilities, and with the distributing and surveying divisions of the industry expanded to meet the pressing demands of the recent building boom, there was a serious question regarding the future prosperity of the entire building industry.

The actual volume of business going through dealers' hands is decidedly off,—profit margins are narrowing in many lines, speculative building is receding, in

many communities it is overdone and structures are reverting to the financial interests. Many building and loan associations are loath to finance construction except in the hands of permanent resident owners.

Since a substantial proportion of new houses are acquired by previous home owners, this type of construction is also slowing down because of the "trade-in" problems involved by the old home.

The old home must be liquidated before the new home can be financed. This unthought of factor,—the "used" home, is becoming quite a problem which some responsible persons believe may, in the near future, become as much of a problem as the used automobile has been in the transportation field, assuming, of course, that the building industry would like to continue its present high status of activity. This is a new and perhaps extreme viewpoint which only recently has begun to appear in the building field.

It is surprising, even astounding, that such a situation is developing at a time when the country as a whole was never more prosperous. The number of motor cars purchased in 1926 was 12% greater than the purchases in 1925. The more expensive class of cars (other than Fords) increased 24.3%. In the Southern states there was a 24% increase in all car sales and a 57% increase in the sales of the better class of cars. The first five months of this year there has been a 30% increase in the sales of the better class of cars.

The cash income in the hands of consumers is much greater than we ever expected to enjoy. There has been an unbelievably large increase in the National income. There are sufficient funds available in the hands of the building and loan association banks and financing companies to finance a far greater building program than has ever been undertaken at any time.

There is no reason why building operations as a whole, and especially the detached dwelling field, should not be proceeding at a far greater pace than ever before.

Yet all of us know that there are many millions of families living in very undesirable, obsolete or inadequate, uncomfortable and even unhealthful or unsafe conditions.

The National Federation of Women's Clubs has recently concluded a survey covering all sizes of towns in all states. They have found that there are many millions of families who do not even have running water in the house and many more who do not have modern stationary bathtubs, indoor toilets, kitchen sinks and laundry equipment.

Millions of homes are also inadequate and unsatisfactory in many other ways, exterior appearance, interior comforts and attractiveness. The South has its

share of such homes. In fact, only a small part of the population is living under completely satisfactory housing conditions.

I do not wish to pose in any calamity role; I do not believe that the prosperity of the national community is going to decline seriously. I firmly believe that there will be a large volume of building activity regardless of what is done. I would simply like to point out that there is some evidence of slackening in building operations and you appreciate, of course, that this might be a matter of concern should any decline become too abrupt. It has embarrassing possibilities, not only to the manufacturers of building materials, supplies and equipment but also to the fifteen to seventeen million people dependent upon this industry. Should the profits and labor income of this large part of the population be seriously affected, it then becomes a serious matter to all business and to every person, since this industry is one of the most important props of the entire business structure.

Happily, and regardless of whether there is any decline, it would seem that a course of action is clearly indicated which not only offers immediate relief in any community where relief might be needed, but also a much greater volume of business and building activity and prosperity in all phases of the building and construction field and in every community.

This line of action, in the opinion of many, develops possibilities for nearly as large a volume of business as has ever been enjoyed under new construction.

It is also thought that such action, if successfully undertaken, might,—by virtue of developing a better organization of the business of this industry and its allies (the realtors, financing groups and others) open up undreamed-of opportunities in the advancement of building activity and housing standards.

I will not attempt a statistical analysis of the national housing situation. Were I to do so it would be necessary to admit that the sum total of information is meager; that very little is known regarding the housing conditions of our twenty-four millions of people nor of the economics of the housing situation. Much research and economic study is needed in this field and would be very valuable.

We do know that recent rapid advances in architectural styles, health, social and other standards have been so marked that homes built only a short time ago are now obsolete and not satisfactory to the average housewife.

We know that in almost every town and city there are a very large number of these houses so well located and well conditioned that they will be utilized for years. Their number is so large that their occupants constitute the backbone of the market for most of the more ex-

pensive commodities. Out of this group is recruited each year a very large proportion of the new home buyers.

Most of these homes could also represent a substantial advance in living and social standards for younger families, providing of course they were made acceptably modern.

Because of these many reasons we were impressed that an Editorial program stressing Home Rehabilitation would not only represent the most intelligent service that could possibly be rendered our subscribers, but might also represent a public economic service. Once launched upon this editorial program, we found it attracting a great deal of interest and attention.

In order to obtain first-hand, personal experience and to be able to discuss the subject intelligently with our readers, we went into a typical Illinois town of 8,000 people and completely remodeled an old home.

After the demonstration was well under way, we invited a group of building trade publication editors to visit it. These editors were much impressed and incidentally informed us that this was the first occasion so many diverse interests of the building industry press had ever been brought together.

Other trade publications were contacted, with the result that forty are cooperating in bringing about an organized public consciousness of the possibilities in this field of Home Rehabilitation; architects, municipal, electrical, paint and decorating, building material, plumbing and heating, financial, contractors and various other types of publications are carrying this story to their readers.

We now find that the entire program is meeting with such an enthusiastic response from all sections of the country that it is now being taken up by organized groups. The United States League of Building and Loan Associations Commission on Better Relations adopted the following report at its annual meeting at Asheville, North Carolina, in July. The report is long, so I will read only the most important excerpts:

"The National Home Rehabilitation Movement, which is sponsored by *The Household Magazine*, and which is being taken up with eagerness by the building interests, should include as an integral part of its program the popularizing of the idea that extensive remodeling can be financed easily through the Building and Loan Association.

"The Building and Loan Association must not wait to be approached, however, but must, on its own initiative, tie in its activities with this movement which promises to be almost as important as the construction of new homes.

(Continued next week.)

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co. 1320 Race St., Phila.

CEMENT

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son. Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co. 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard. 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co. 1320 Race St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company. Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Seiver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America. 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)



1792 1927

"The Oldest
American
Fire and Marine
Insurance
Company"

BUILDERS' RISKS ARE MANY
but the cost of protection is
trifling.

Don't let a fire, windstorm,
or some other eventuality catch
you with nothing to defray
your loss.

Any North America Agent
will be glad to give you full
information and advice on this
form of insurance, without
obligation.

**Insurance Company of
North America**

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

**"ANTI-HYDRO" Keeps a River Out
of This Power House**

The concrete foundations of this building are below the water level of the river that flows beside it. Nevertheless, the basement and boiler room are always dry, because the concrete is *permanently* water-proofed with "ANTI-HYDRO."

"ANTI-HYDRO" is an easy-to-use liquid integral compound that both hardens and waterproofs *in one operation*. It mixes with the gauging water without the aid of skilled labor. It is very economical to use and results are guaranteed permanent.

For 23 years "ANTI-HYDRO" has been repeatedly specified and used by leading architects, engineers and contractors the country over. Use it on *your next job*.



Power House, Kent Mfg. Co., Clinton Heights, Pa.
Frank E. Hahn, Architect. B. Bornstein, Contractor.

ANTI-HYDRO WATERPROOFING CO.
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO
MASONRY CONTRACTOR
BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.
TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 46
November 16, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

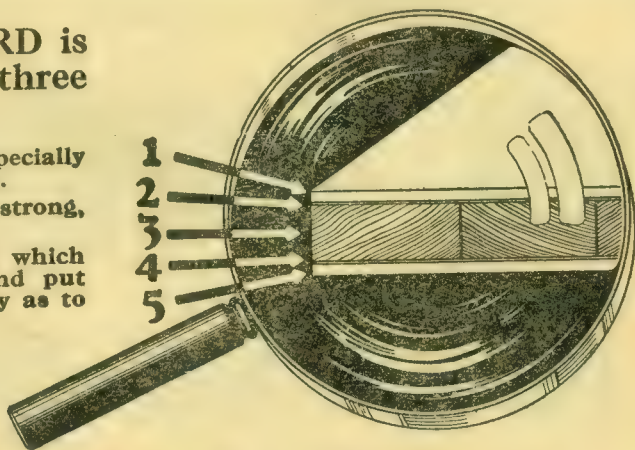
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

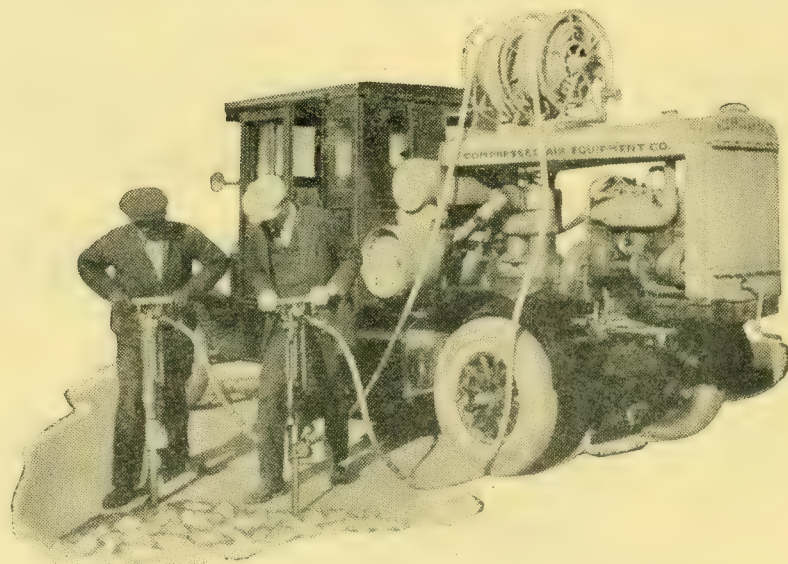
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Pennypacker 9540

Keystone-Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

BankVaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



**LOW PRESSURE
Electric Refrigeration**
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

DAILY BUILDING NEWS

Leads to More Business

You Can Easily See How

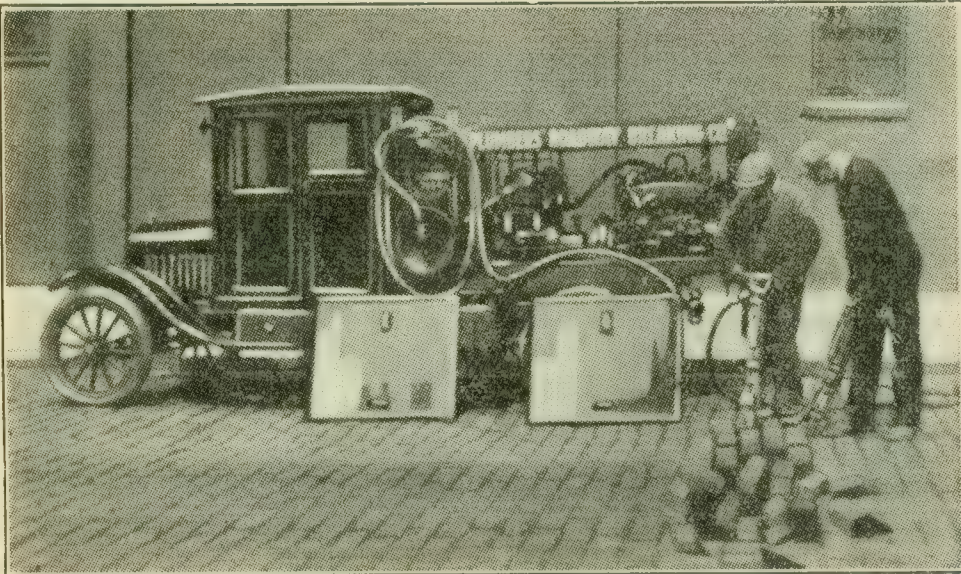
By Following Every Morning

Daily Building News

1530 CHESTNUT STREET

PHILADELPHIA

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON Co.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc. REAL BRICK

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH**

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



Storage and Service Garage
Sixteenth St. North of Lehigh Ave.
This Installation Includes Both Round and Square Top
Overhead Doors

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST
Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

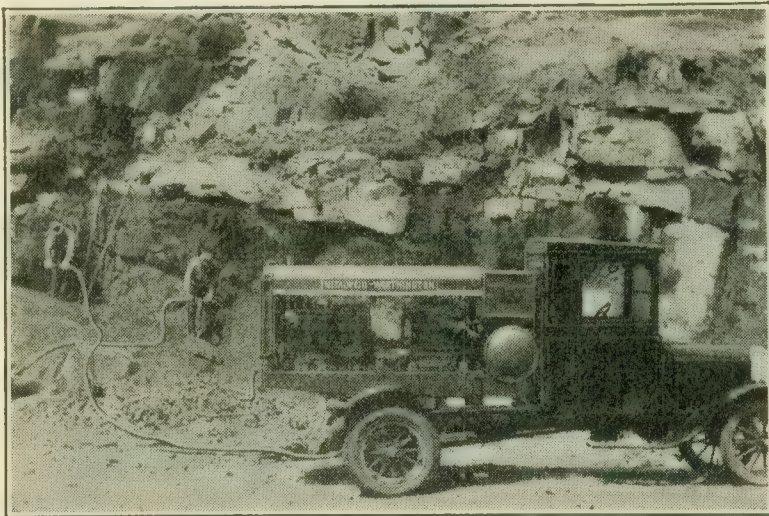
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 46

PHILADELPHIA
November 16, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence (alts. and add.), 920 North War-nock street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, Rev. J. R. Henderson, 2409 West Cum-berland street, Philadelphia. Brick, 3 stories, add., 1 story, 12x18 feet. Plans in progress.

Building, 120-22 North Seventh street, Phil-adelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Own-ers, Southern Bookbinding Co., on premises. Brick, steel, concrete, 10 stories, 64x67 feet, slag roof, cement floors, elevators, steam heat, electric light, oil burner, fire doors. New plans in progress.

Stores and Offices, 2138 Market street, Phil-adelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, M. Mari-ano, 2102 Market street, Philadelphia. Brick, stone, 4 stories, 125x33 feet, vapor heat, elec-tric light, plate glass, meal ceilings, sprinkler, vapor heat, fire tower. Plans in progress.

Apartment House, Sixteenth and Grange streets, Philadelphia. Architects, Stetler & Deysher, Jefferson Building, Philadelphia. Owners, Freedman & Freedman, 6746 York road, Philadelphia. Brick, stone, 4 stories, 75x90 feet, slag roof, hardwood floors, vapor heat, electric light, tile work, electric refrig-eration. Owners taking sub-bids.

Warehouse, Delaware and Spruce street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Quaker City Cold Storage, on prem-ises. 12 stories. Plans nearly completed. Will take bids in about 3 weeks.

Bank Building, Germantown and Ever-green avenues, Chestnut Hill. Architect, Ar-thur H. Brockie, 254 South Fifteenth street, Philadelphia. Owners, Germanown Trust Co., Germantown and Chelton avenues, Philadel-phia. Brick, reinforced concrete, steel, 1 story, mezzanine and basement, 52x79 feet, gray slate roof, cement, linoleum and rubber floors, plumbing, vapor heat, electric light, oil burners, metal lath, tile and marble work, kalamein doors, fire doors, iron pipe, cinder concrete block, steel toilet stalls, demolition, elevator. Architect taking bids due Novem-ber 25th.

Alterations to Second Floor, Twelfth and Market streets, Philadelphia (Reading Ter-minal). Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Carpentry and mill work, glazing. Owners taking bids due No-vember 21st.

Residences (12), North side Bleigh street, East of Castor road, Philadelphia. Architect, private plans. Owner, Huey Friedman, 4834 Mervine street, Philadelphia. Brick, 2 sto-ries, 16x14 feet, 19x27 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Mt. Airy avenue, West of Greene street, Philadelphia, \$20,000. Architect, pri-vate plans. Owner, G. H. English, 3113 Coul-ter street, Philadelphia. Stone, 2 stories, 25x28 feet, 58x26 feet, slate roof, hardwood

and pine floors, hot water heat, electric light, tile work. Permit issued.

Storage Building, East side Mannond, South of Chew street, \$12,000. Architect, pri-vate plans. Owners, Heintz Mfg. Co., Front and Olney avenue, Philadelphia. Iron on iron, 1 story, 110x38 feet. Permit issued.

Storage Building, Southeast Corner Front and Shunk streets, Philadelphia, \$3,000. Ar-chitect, private plans. Owners, Potash Broth-ers, Wolf and Water streets, Philadelphia. Iron on iron, 1 story, 60x150 feet. Permit issued.

Apartment House, 2112-14 Venango street, Philadelphia, \$100,000. Architect, H. H. Me-Keone, Sixteenth and Wood streets, Phila-delphia. Owner, Samuel Elgart, 4425 Pine street, Philadelphia. Brick, 4 stories, 41x205 feet, 61x17 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Per-mit issued.

Residences (21), East side Beulah street, North of Bigler street, Philadelphia, \$91,200. Architect, private plans. Owner, August Olmi, 1530 South Fifteenth street, Philadel-phia. Brick, 2 stories, 15x31 feet, 12x9 feet, slag roof, hardwood and pine floors, hot wa-ter heat, electric light. Permit issued.

Residences (2), West side Seventh street, South of Johnson street, \$9,300 total. Archi-tect, private plans. Owners, August Olmi & Brother, 1530 South Fifteenth street, Phila-delphia. Brick, 2 stories, 17x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

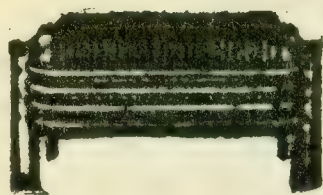
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard" ENAMELWARE

REPUBLIC BRASS ANACONDA BRASS PIPE

FLECK BROS. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE NEWMAN MANUFACTURING COMPANY CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS NO LIQUID DOOR CHECK CO. COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street
Philadelphia, Pa.

Residences (6), North side Parker avenue, West of Lawnton avenue, \$24,000. Architect, private plans. Owner, Joseph McGlory, 2074 North Sixty-second street, Philadelphia. Brick, 2 stories, 16x26 feet, 12x15 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Container, Northeast Corner Forty-ninth and Botanic avenue, Philadelphia, \$4,500. Architect, private plans. Owner, Lewis B. Hoffman, 1346 South Fifty-first street, Philadelphia. Metal, 1 story, 88x106 feet. Permit issued.

Garage, 362 Delmar street, Philadelphia, \$2,000. Architect, private plans. Owner, George Cissimer, Jr., 400 Delmar street, Philadelphia. Brick, 2 stories, 26x34 feet, slag roof, cement floors, electric light. Permit issued.

Dormitories (2), Power Plant, Shaleross School, Byberry, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, steel, stucco. Low bidders: R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$328,690; McCloskey Co., 1620 Thompson street, Philadelphia, \$338,833. Plumbing, William Newell & Son, 2035 Arch street, Philadelphia, \$32,600. Heating, Fred Wackenhut, 2416 Frankford avenue, Philadelphia, \$49,349. Ventilating, Thompson Bro., 520 Buttonwood street, \$2,653. Electric, C. N. Parkhurst, Philadelphia, \$25,296. Sewage disposal, J. Borden & Bro., 637 North Nineteenth street, \$30,743, \$12,900.

Bolier House and Laundry Building, Pulaski and Rittenhouse streets. Engineer, S. A. Jellett, 1200 Locust street, Phila. Owners, Man-

agers for Relief and Employment of Poor, of Germantown, J. F. McClelland, on premises. Brick, reinforced concrete 1 story and basement, 60x43 feet. Low bidders: L. Rosengarten, Otis Building, Phila., \$15,749; N. W. Bryan Co., 10 S. 18th street, Phila., \$15,995.

Supplies, Navy Yard, Phila. Owner, Dept. of Supplies and Accounts, Washington, D. C. Owner taking bids due Nov. 22, 10 A. M. Compressed cork block, lumber.

Dairy Building (alts.), 216-18 Lombard street, Phila. Architect, Wm. H. Timm, Perry Building, Phila. Owner, Abbotts Dairies, Inc., on premises. Shoring, demolition, concrete work, fireproofing, cement floors, structural steel, brick work, tile and terrazzo work, waterproofing, plastering, metal ceilings, carpentry and mill work, painting. Architect taking bids due as soon as possible.

Amebrol Manufacturing Building, Richmond and Kennedy streets, Phila. Architects, The Ballinger Co., 12th and Chestnut streets, Phila. Owner, Chas. Lennig Co., on premises. Brick, steel, 1 and 2 stories. Architects taking bids due Nov. 19th.

Warehouse, 31st and Walnut streets, Phila. Architect, private plans. Owner, Penna. R. R. Co., Broad Street Station, Phila. Plans in progress.

Garage, 38 Summit avenue, Chestnut Hill, Pa. Architect, R. Brognard Okie, 306 Smedley street, Phila. Owner, I. Wister Morris, Chestnut Hill, Pa. Stone and frame, cut stone, 1½ stories, 26x40 feet, shingle roof, cement, pine floors (plumbing, heating and electric reserved), metal lath, bond, ornamental iron work. Architect taking bids due as soon as possible. (Specification Report.)

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

College and Hospital, Broad street above Race street, Philadelphia. Architects, Pettit & Ferris, 115 West Forty-fifth street, New York. Consulting engineer, H. Hall Marshall, 37 West Forty-third street, New York. Owners, Hahnemann Hospital, Fifteenth above Race street, Philadelphia. Brick, granite, limestone, steel, reinforced concrete, 17 stories and basement, pent house, 122x150 feet, wing 79x42 feet, promenade tile and slag roof, cement floors, elevators, waterproofing and dampproofing, architectural terra cotta, cast stone, steel casement windows, ornamental iron work, bond, hollow metal doors and

sash, rolled steel skylights, tile and marble work, metal lath, rubber tile floors, duraflex floors, cork tile, mail chutes, metal partitions, dumb waiter doors (electric, heating, structural steel, plumbing, drainage, kitchen equipment reserved). Contract awarded Irwin & Leighton, 126 North Twelfth street, Philadelphia.

Gymnasium, 717 Spruce street, Philadelphia. Architect, William L. Charr, Victory Building, Philadelphia. Owners, Lincoln Preparatory School, Dr. Lapico, 717 Spruce

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

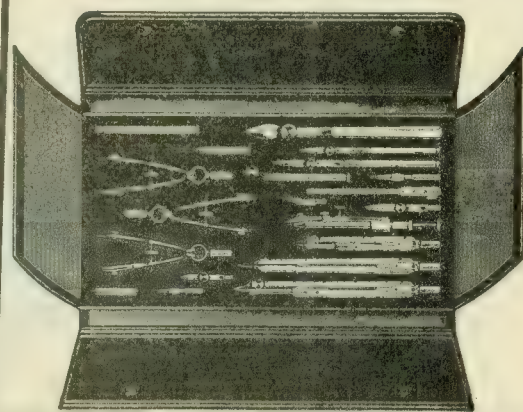
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

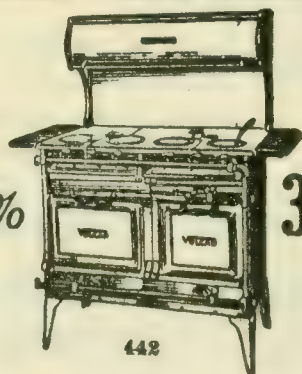
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CARDET) GAS RANGES

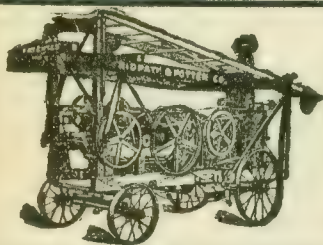


38%

38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.

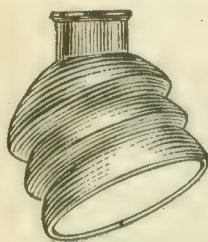


You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.
BOURSE BLDG.
LOM bnd 9300

street, Philadelphia. Stone, brick, 1 story, 20x48 feet, slag roof, maple floor, cast stone, electric light, hollow metal skylights, ornamental iron work. Contract awarded James Miraldi, 726 Norris street, Philadelphia.

Contract No. 183, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Completion of subway stations, Erie to Olney stations. Contract awarded Kaufman Const. Co., Pennsylvania Building, Philadelphia.

Theatre, Stores and Offices, 7145 Germantown avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owner, A. H. Tourison, Jr., 7014 Boyer street, Philadelphia. Brick, steel, concrete, 1 and 2 stories, 109x176 feet. Contract awarded George Kessler Contg. Co., 1733 North Marine street, Philadelphia.

Apartment House, 4825 North Camac street, Philadelphia, \$30,500. Owner, B. F. Huff, 4838 North Camac street, Philadelphia. Brick, 3 stories, 34x53 feet, 42x23 feet, slag roof, hardwood and pine floors, steam heat, electric light, tile work. Contract awarded N. H. Rochelle, Mascher and Wellens avenue, Philadelphia.

Manufacturing Building, 417-25 North Eighth street, Philadelphia, \$4,000. Owners, Brown & Bailey Co., 417 North Eighth street, Philadelphia. Tank. Contract awarded Pittsburgh-Des Moines Co., 50 Church street, New York.

Store and Office (add.), 1006 Chestnut street, Philadelphia, \$3,000. Architect, private plans. Owner, G. A. Schwartz, 1015 Chestnut street, Philadelphia. General alterations. Contract awarded S. Pearl, One Hundred and Seventeenth street and Park avenue, New York.

Residence, 1309 Disston street, Philadelphia, \$8,000. Architect, private plans. Owner, Joseph Ular, 118 Thompson street, Philadelphia. Brick, 2 stories, 28x24 feet, hot water heat, electric light. Contract awarded Maurer & Co., Ltd., 910 North Front street, Philadelphia.

Residence, West side Smithfield avenue, South of Overhill, Philadelphia, \$5,800. Architect, private plans. Owner, Horace D. Butterworth, 6729 Torresdale avenue, Philadelphia. Brick, 2 stories, 30x23 feet, hardwood and pine floors, electric light. Contract awarded Edward Morrow, 4693 Castor road, Philadelphia.

Residence (add. and alts.), 1909 Germantown avenue, Philadelphia, \$5,000. Architect, private plans. Owner, M. Dvorkin, 2635 North Thirtieth street, Philadelphia. General alterations and addition. Contract awarded Scheet-

man & Bro., 1924 North Marshall street, Philadelphia.

Residence, 4257 Richmond street, Philadelphia, \$4,800. Architect, private plans. Owner, Minnie Labor, 4244 Richmond street, Philadelphia. Brick, 2 stories, 16x52 feet, hot water heat, electric light. Contract awarded A. Slowik, 4353 Pearce street, Philadelphia.

Shop, 1912 North Fifth street, Philadelphia, \$4,000. Architect, private plans. Owner, M. Dvorkin, 2635 North Thirtieth street, Philadelphia. Brick, 2 stories, 18x80 feet. Contract awarded Scheetman Bros., 1924 North Marshall street, Philadelphia.

Dye Honuse (add.), Northeast Corner Adams and Ruan streets, Philadelphia, \$4,000. Architect, private plans. Owner, John J. Cabrey, on premises. Brick, 1 story add., 40x48 feet. Contract awarded A. Rosenberg, 4835 Darrah street, Philadelphia.

Residence (add.), 2127 St. James Place, Philadelphia, \$3,000. Architect, private plans. Owner, George W. Edwards, on premises. Brick, 2 stories add., 7 feet 5 inches x 20 feet. Contract awarded Metzger, Fisher & White, Otis Building, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Manheim street, Union Paving Co., Thirtieth and Locust streets, \$20,465. Queen street, Union Paving Co., Thirtieth and Locust streets, \$20,991. Bingham street, Barber Asphalt Co., 1600 Arch street, \$34,898. Castor street, Carson & Carson, 22 South Fifteenth street, \$11,411. Godfrey avenue, A. Corrado, Philadelphia, \$8,271. Levick street, D. Delise, 4842 North Leithgow street, Philadelphia, \$5,216.

Pennsylvania Construction News

Store and Apartment, Meadowbrook road and Fairfield lane, Strafford, Pa. Owner, J. Howard Mecke, Packard Building, Philadelphia. Brick, 3 stories. Work contemplated.

Building (alts.) to Hotel, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owners, name withheld. Brick, 4 stories, 40x100 feet, composition floors, general interior alterations, partitions. Plans in progress.

Store and Apartment (add. and alts.), Chestnut street, Wilkes-Barre, Pa. Architects, Schroeder & Schmid, Rosenmiller Building, Wilkes-Barre, Pa. Owner, name withheld. Brick, 3 stories, 64x26 feet, slate roof, yellow pine floors, plate glass, copper work, tile work, vapor heat, electric light. Plans in progress.

Apartment House (4-family), Wilkes-Barre,

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIPE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

**QUALITY
TRIANGLE
RELIABLE**

Also **KITCHEN CABINETS,
Water Heaters & Refrigerators**



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murp

THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ben
19 W

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

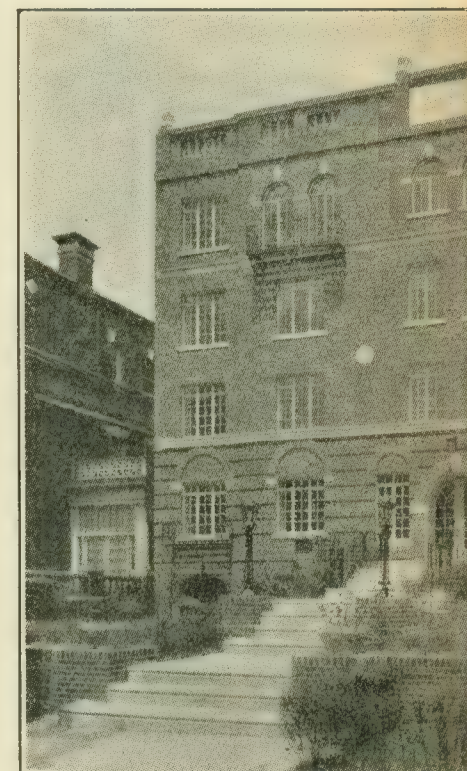
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.



BUILD WITH
ST. MARTINS BUILDING STONE
"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

**Italian
Marble Mosaic Co.**

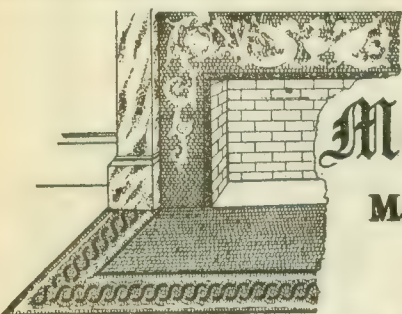
Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises



TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hai
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

—PHILADELPHIA GAS RANGE CO.—

Come To Headquarters

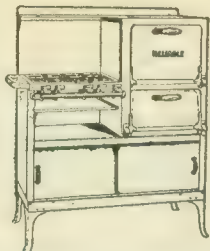
for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet iron
well as samples of the Murp



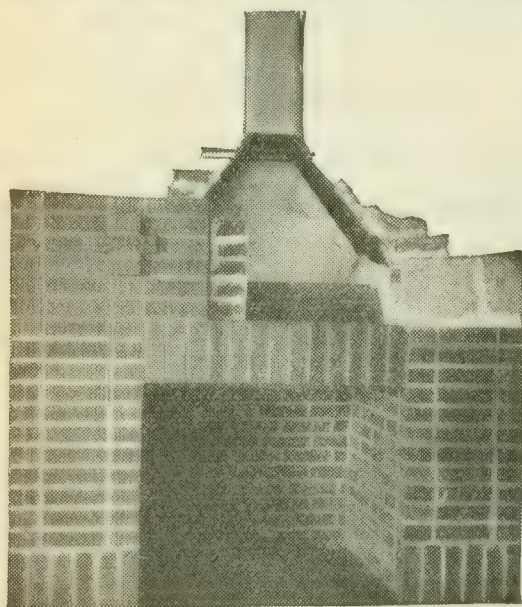
THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Ben
19 W

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

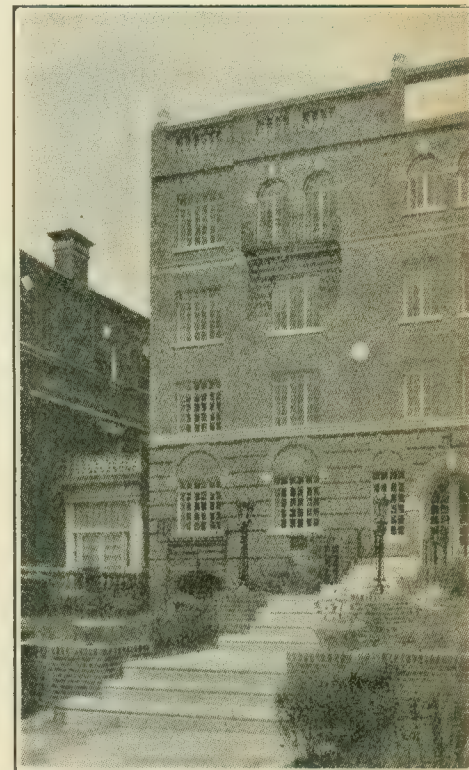
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.

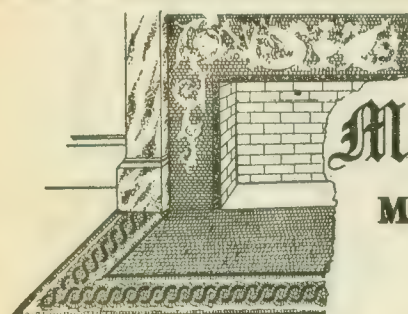


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hai
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

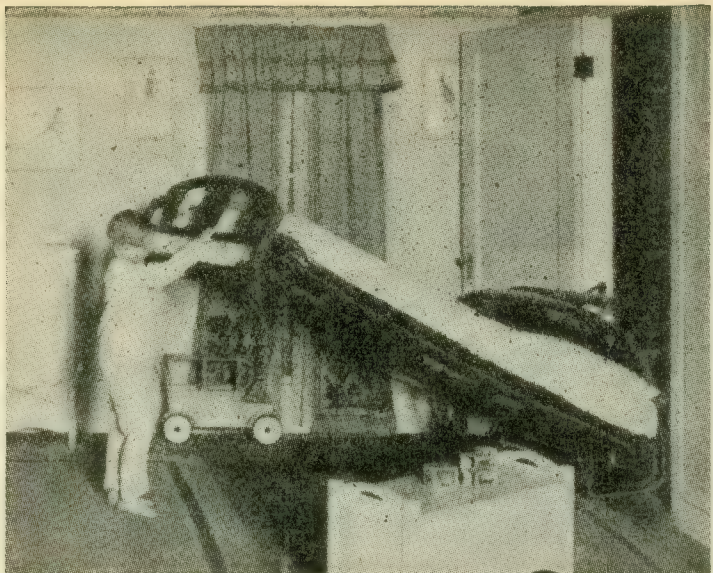
EDS

mes
ngs

call at our
in kitchen
boards as
eds

CO.

Building
44th Street
York
BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
of their co-operation.



NETEX

faces

ks are beginning to show,
Truscon STONETEX.

the concrete is spalling
opped by the application

it prevent moisture
o covers the surface
s flat. It does not
masonry.



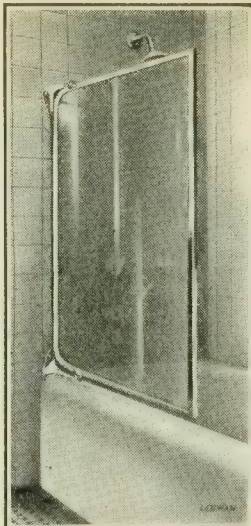
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN
1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

**AMERICAN
ALL-METAL WEATHER STRIPS**

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.
If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

**MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

**Face Brick
Paving Brick
Ornamental Terra Cotta
Hollow Tile
Roofing Tile**

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Don't be a Rip Van Winkle. Advertise and let everybody know you are awake and abreast of the times.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel
FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

ROOFING
AND
SHEET METAL WORK
JAMES B. MacGARVIE
MAGNOLIA, N. J.
Approved Roofer for
Barrett Specification Roofs
Bell Phone—Laurel Springs 21 R4

PILES, FOUNDATIONS
CAISSONS
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

Reinforced Concrete
and **Cement Work**
Get our estimate first on
"THAT CEMENT JOB"
FREDERICK MASSIAH
S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165
Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION
BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.
ARROWHEAD STEEL GRATINGS
FRANK PETTIT ORNAMENTAL IRON WORKS
REGENT 9857 1505-15 N. Mascher Street, Phila. PARK 4147-4148

Pennsylvania

Contracts Awarded

School, Ridley Park, Pa. Architect, P. F. Getz, Victory Building, Phila. Owner, D. Cardinal Dougherty, 18th and Summer streets, Phila., and Our Lady of Peace, Ridley Park, R. A. L. Rees, on premises. Stone, concrete, cut stone, brick, 2 stories and basement, 55x83 feet, (oil burning system reserved) vapor heat, electric light, metal lath, rolled steel sash, bond, iron stairs, ornamental iron work, asbestos shingle roof, maple floors, metal ceilings, dampproofing, bluestone, metal toilet partitions, plumbing and fixtures (waterproofing reserved.) Contract awarded F. V. Shubert, Reese and Wingohocking St., Phila.

Show Room and Office, Lancaster avenue, between Railroad and Rose lane, Rosemont, Pa. Architect, Alvin C. Bieber, 1520 Locust street, Philadelphia. Owner, L. Groskin, care of architect. Stone, steel, hollow tile, 2 stories and basement, 25x100 feet, slag roof, wood floors, hot water heat, electric light, marble and tile work, plastering, stucco, cinder concrete blocks. Contract awarded Bowden Const. Co., 1607 Summer street, Philadelphia.

Residence and Garage, Ambler, Pa. Architect, A. C. Borzner, 721 Walnut street, Philadelphia. Owner, Catherine M. Winters, care of architect. Stone, stucco, 2½ stories, shingle roof, hardwood floors, hot water heat, tile work. Contract awarded H. S. Aimen, Ambler, Pa.

Residence (alts.), Twelfth and Valley road, Melrose, Pa. Architect, P. S. Tyre, 114 South Fifteenth street, Philadelphia. Owner, M. E. Brigham, on premises. General alterations. Contract awarded Roy Randall, Jenkintown, Pa.

Store, Third and Edgemont streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, L. Much, 103 West Third street, Chester, Pa. Brick, 4 stories. Contract awarded J. Mercandante, Chester, Pa.

Dormitory (alts. and add.), West Chester, Pa. Architects, The Victor Condos Co., Reading, Pa. Owners, West Chester Normal School, West Chester, Pa. Contract awarded Jefferis Brothers, West Chester, Pa.

Stores (2), Offices and Apartments, Market street, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, J. Gouvallas, care of architect. Brick, limestone, 2 stories and basement, 36x67 feet, slag roof, oak and pine floors, metal ceilings, hot water heat, electric light, tile and marble work, rolled steel skylights, ornamental iron work. Contract awarded J. Goldberg, Chester, Pa.

Power House (central heating plant), Wanamie, Newport Township, Pa. Architect,

R. M. Herr, Simon Long Building, Wilkes-Barre, Pa. Owners, Newport Township School District, C. A. Moore, Alden, Pa. Brick, steel, concrete, 1 story, 45x45 feet, slag roof, concrete floors, steel skylights, fire doors. Contract awarded Oplinger Const. Co., Nanticoke, Pa.

Residence, Dallas, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Henry German, Riverside Apartments, Wilkes-Barre, Pa. Stone, frame, 2½ stories, 32x68 feet, slate roof, hardwood floors, electric light, tile work. Contract awarded A. J. Sardoni, Forty Fort, Pa.

Residence, Plymouth, Pa. Architects, Mack & Sahn, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Dr. C. D. Groblewski, Main and Elm streets, Plymouth, Pa. Brick veneer, 2½ stories, 31x48 feet, slate roof, hardwood floors, electric light, tile work. Contract awarded William I. Whitesell, 91 Goodwin avenue, Kingston, Pa.

Hospital and Power House, Carbondale, Pa. Architect, J. A. McGlynn, Simon Long Building, Wilkes-Barre, Pa. Owners, St. Joseph's Hospital, 5 North Main street, Carbondale, Pa. Plumbing and heating awarded Walsh Brothers, Pittston, Pa.

Storm Sewer, Darby, Pa. Owners, Department of Highways, Borough of Darby, Pa. Contract awarded Knox Mariana, Ardmore, Pa., \$3,680.

New Jersey

Construction News

Factory (add.), Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Puritan Rubber Co., Perrine avenue, Trenton, N. J. Brick, steel, 65x100 feet, slag roof, concrete floors, roof ventilators, electric light, steel sash, skylights. Plans in progress.

Bath House and Stores, Boardwalk, Atlantic City, N. J. Architect, A. L. Brooks, Humphrys Building, Atlantic City, N. J. Owner, name withheld. Brick, steel, concrete, 1 story, 50x390 feet, slag roof, wood floors, electric light, steel sash and skylights. Plans in progress. Architect will be ready for bids in one week.

City Hall, Ventnor City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, City of Ventnor, Ventnor City, N. J., care of Charles E. Repetto, clerk. Owners will be ready for bids in two weeks.

Apartment House, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Ardmore Realty Co., care of architect. Brick, steel, 5 stories, 80x78 feet, slag roof, hardwood floors, elevators and dumb waiters, roof ventilators, dampproofing, area gratings, vapor heat, electric light, tile, marble, steel sash, skylights, fire doors, iron stairs, ornamental iron, brass pipe. Owners will build.

Entrance to Cemetery, Laurel Memorial Park, Egg Harbor Township, Atlantic County, N. J. Architect, William L. Charr, Victory Building, Philadelphia. Owners, Laurel Park Development Company, Atlantic City, N. J. Stone (George Washington stone), 40 feet high, 150x100 feet, bond, ornamental iron work, flagstone. Plans completed. Architect will be ready for bids in a few days.

Hotel, 106 South Kentucky avenue, Atlantic City, N. J. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Hotel Trent, Atlantic City, N. J. Front add., brick, concrete, steel, 5 stories, 30x30 feet. Owners taking bids.

Hospital, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building,

Trenton, N. J. Owners, St. Francis' Hospital, Sister Alcantara, Chambers and Hamilton streets, Trenton, N. J. Steel, brick, concrete, 4 stories, 170x44 feet, concrete slab roof, maple, concrete and terrazzo floors, hollow tile, (2) elevators, safety treads, roof ventilators, metal window guards, ornamental iron, iron stairs, bond, fire doors, steel skylights, steel sash, tile and marble, metal lath (heating, plumbing and electric reserved). Architect taking bids due November 18th.

Dining Hall and Kitchen, State Colony for Feeble Minded Males, New Lisbon, Pa. Architects, Division of Architecture and Construction, C. N. Leathen, Trenton, N. J. Owners, Com. of Institutions and Agencies, W. J. Ellis, Trenton, N. J. Reinforced concrete, cinder block, stucco, steel, brick, 2½ stories and basement, 142x79 feet, wing 42x64 feet (plumbing, heating and electric separate), block slate roof, cement and tile floors, metal lath, terrazzo work, rolled steel sash and skylights, kalamein doors, floor hardener, iron stairs, ornamental iron work, integral and membrane waterproofing, refrigeration. Owners taking bids due November 22nd.

School, Troy avenue, Ventnor City, N. J. Architect, H. E. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Board of Education, Troy avenue, Ventnor City, N. J. Fireproof, 3 stories, 212x170 feet, slag roof, hardwood floors, safety treads, roof ventilators, steel sash and skylights, metal lath (heating, plumbing and electric separate). Owners taking bids due December 13th.

Nurses' Home, New Jersey State Hospital for the Insane, Trenton, N. J. Architects, Division of Architecture and Construction, Charles N. Leathem, Director, Trenton, N. J. Owners, Department of Institutions and Agencies, William J. Ellis, Commissioner, Trenton, N. J. Brick, reinforced concrete, steel, 2½ stories and basement, 155x52 feet, Bangor slate roof, cement and pine floors, incinerators, cinder concrete block, integral and membrane waterproofing, ornamental iron, iron stairs, bond, kalamein doors, steel sash, tile and marble, metal lath (plumbing, heating and electric separate). Certified check, 5 per cent. Owners taking bids due November 18th at 1:30 P. M.

Reconstruction of Building for Disturbed Patients, New Jersey State Hospital for Insane, Trenton, N. J. Architects, Division of Architecture and Construction, Charles N. Leathem, Director, Trenton, N. J. Owners, Department of Institutions and Agencies, William J. Ellis, Commissioner, Trenton, N. J. Brick, steel, 3 stories and basement, terrazzo and reinforced concrete floors, roof ventilators, area gratings, wrought iron pipe, bond, fireproof doors, hollow metal doors, skylights, steel frames, metal lath, shoring, sheathing, fireproofing, stone, hollow tile, plaster, structural slate, mill work, hardware, painting. Bond. Certified check, 5 per cent. Owners taking bids due November 18th at 1:45 P. M.

Show Room and Service Station, Haddon avenue below White Horse pike, Camden, N. J. Architects, Lackey & Hettle, Camden, N. J. Owners, Camden Cadillac Co., on premises. Brick, steel, cement block, 1 story and basement, 83x125 feet, slag roof, cement floors, roof ventilators, dampproofing, electric light, metal lath, tile work, rolled steel sash, fier doors, bond, ornamental iron work. Architects taking bids due November 21st before noon.

Residences (2), 367-69 North Thirty-fourth street, Camden, N. J., \$4,200 each. Architect, private plans. Owner, Alfonso Verdi, 6145 West Girard avenue, Philadelphia. Block, 2 stories, 16x50 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Road Work, New Jersey. Owners, State

Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 1, Sec. 3A, Robbinsville Cutoff, Mercer County. Excavation, double line reinforced concrete pavement.

Route 30, Sec. 5 (Revision of 1927), Flemington to Packers Island, Hunterdon County. Earth and rock excavation, borrow, double line reinforced concrete pavement, (4) span bridges. Owners taking bids due November 28th at noon. Deposit, \$10. Certified check, 10 per cent.

Viaduct, Section 4A, Route 1 (1927), Jersey City, N. J. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Contract No. 9, structural steel, concrete, granite block pavemen, cement mortar protection. Deposit, \$50 (refunded). Certified check, 10 per cent. Owners taking bids due November 28th at noon. (Bond.)

Hotel, Beach Front, Ocean City, N. J. Owner, Baltimore Syndicate, care of R. L. Chester and C. B. Roberts, Ocean City, N. J. Work contemplated.

New Jersey Contracts Awarded

Klockner School (add.), Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton. Owners, Hamilton Township School Board, W. A. Robinson, Greenwood School, Trenton, N. J. Fireproof, 2 stories, 8 rooms and auditorium, slag roof, maple floors, safety treads, roof ventilators, iron stairs, bond, steel skylights (plumbing, heating and electric separate). Contract awarded William Burton & Son, 25 Weinder avenue, Trenton, N. J. Heating, Philip S. Slack, 211 Perry street, Trenton, N. J. Plumbing, J. E. Reeve, Trenton, N. J.

Laundry and Garage, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owner, Louis Hookman, 1409 Greenwood avenue, Trenton, N. J. Brick, steel, concrete block, 1 story, 50x200 feet, 18x70 feet, slag roof, concrete floors, roof ventilators, laundry equipment, fire doors, steel sash, electric light. Contract awarded Harrison & Fisher, 242 Cuyler avenue, Trenton, N. J.

Stores (5), Atlantic City, N. J. Architect, C. H. Adams, Chelsea Bank Building, Atlantic City, N. J. Owners, Hellman & Wageheim, Hotel Breakers, Atlantic City, N. J. Brick, fireproof, 6 stories, 65x72 feet, slag roof, cement floors, city heat, electric light, tile and marble. Contract awarded to A. B. Bowen, 1 South Delancey place, Atlantic City, N. J.

Show Room and Garage, East State street, Trenton, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, Norman P. Druck Motor Co., 636 East State street, Trenton, N. J. Brick, stone, 2 stories, 70x120 feet, slag roof, concrete and tile floors, hollow tile, roof ventilators, vapor heat, electric work.

Contract awarded Karno-Smith Cons. Co., Broad Street Bank Building, Trenton, N. J.

Apartment and Store, 35-37 West State street, Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Daulton Realty Co., care of architect. Brick, steel, 3 stories, 90x34 feet, slag roof, hardwood floors, oil burner, electric light, tile work, iron stairs, cinder concrete block. Contract awarded Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J.

Miscellaneous Paving, Oaklyn, N. J., \$26,878.75. Owners, Borough of Oaklyn, N. J. Concrete paving, gutters, curbs, sidewalks, etc. Contract awarded Fish-Rutherford, 542 East Penn street, Camden, N. J.

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue

West Collingswood, N. J.

Bell Phone: Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone: Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

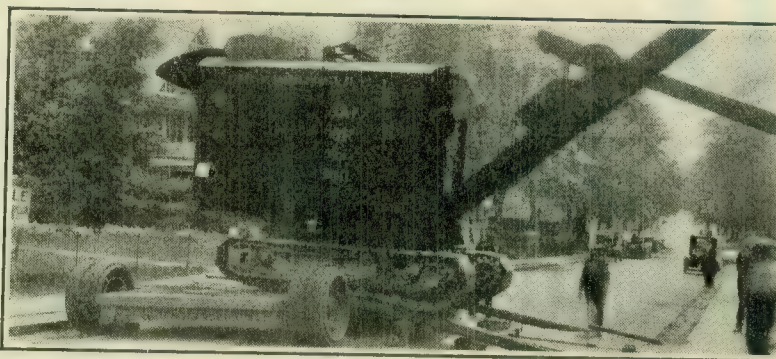
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

Miscellaneous Construction News

Residences (45), Syracuse, N. Y. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Frame, brick, hollow tile, stucco, 2 stories, various sizes, slag-shingle roof, hardwood floors, hot water heat, electric light. Architect taking sub-bids.

Residences (12 pair of twin), Syracuse, N. Y. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Frame, brick, hollow tile, stucco, 2 stories, various sizes, hot water heat, electric light, hardwood floors, slag and shingle roof. Architect taking sub-bids.

Group of Apartment Houses, Syracuse, N. Y. Architect, Roy G. Pratt, Franklin Trust Building, Philadelphia. Owner, name withheld. Frame, brick, hollow tile, stucco, 2 stories, various sizes, gas heat, electric light, slag and shingle roof, hardwood floors. Plans in progress.

Social Building, Salisbury, Md. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Asbury Methodist Episcopal Church, Salisbury, Md. Stone, brick, 3 stories, 60x100 feet, slate roof, oak and pine floors, steam heat, electric light. Architect taking

bids due November 30th, 5 P. M.

Manufacturing Building, Norwalk, Conn. Architects, The Ballinger Co., 100 East Forty-second street, New York City. Owners, H. C. Hotchkiss Co., Norwalk, Conn. Brick, steel, 1 and 2 stories, 129x143 feet, slag roof, cement floors, steam heat, electric light. Architects taking bids due November 29th.

Miscellaneous Contracts Awarded

Residence (alts.), location withheld, \$15,000. Architect, Spencer Roberts, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, masonry, flagstone, metal lath, plastering, slate roof, carpentry and mill work, hardware, iron grills, painting, glazing, tile work, plumbing, electric work, pine floors, stucco work, Treadlight tile floors, cork damp-proofing insulation. Contract awarded F. G. Stewart, 1520 Locust street, Philadelphia.

Hotel, Corning, N. Y. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, American Hotel Corporation, 25 West Forty-fifth street, New York. Brick, reinforced concrete, steel, 5 stories and basement, pent house, 140x70 feet, precast gypsum built-up roof, cement floors, hollow tile, elevators, safety treads, metal weather strip, integral and membrane waterproofing, architectural terra cotta, wall finish, gypsum block partitions, caentile, linoleum, iron stairs, ornamental iron work, bond, kalamein doors, metal lath, tile, marble and terrazzo work. Contract awarded George A. Fuller Co., Morris Building, Philadelphia.

Residence, Hope Valley, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Professor H. K. Miller, care of architect. Frame, brick, wood shingle roof, hardwood floors (plumbing, heating, electric, tile and marble reserved). Contract awarded Fidelity Const. Co., Durham, N. C.

Residence, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, Harry Branscomb, care of architect. Frame, brick, 3 stories, 30x40 feet, 15x16 feet, garage 20x16 feet, slate roof, oak and pine floors (heating, electric light, plumbing, tile reserved), steel casement sash. Contract awarded Fidelity Const. Co., Durham, N. C.

Administration Building, State College for Colored Students, Cheswold, near Dover, Del. Architects, Bulbert & Bettel, Newark, N. J. Owner, Delaware School Aux. Assoc., A. J. Taylor, Dover, Del. Brick, steel, 3 stories and basement. Contract awarded R. R. Gove Co., 1712 Ludlow street, Phila.

THE "USED" HOME AND THE NATIONAL PROSPERITY

BY GEORGE E. PIPER

The Household Magazine

An address made to the Southern Builders' Supply Association at Biloxi, Mississippi.

(Continued from last week)

"As a financial institution, the Building and Loan Association must emphasize the economic aspects of home rehabilitation:

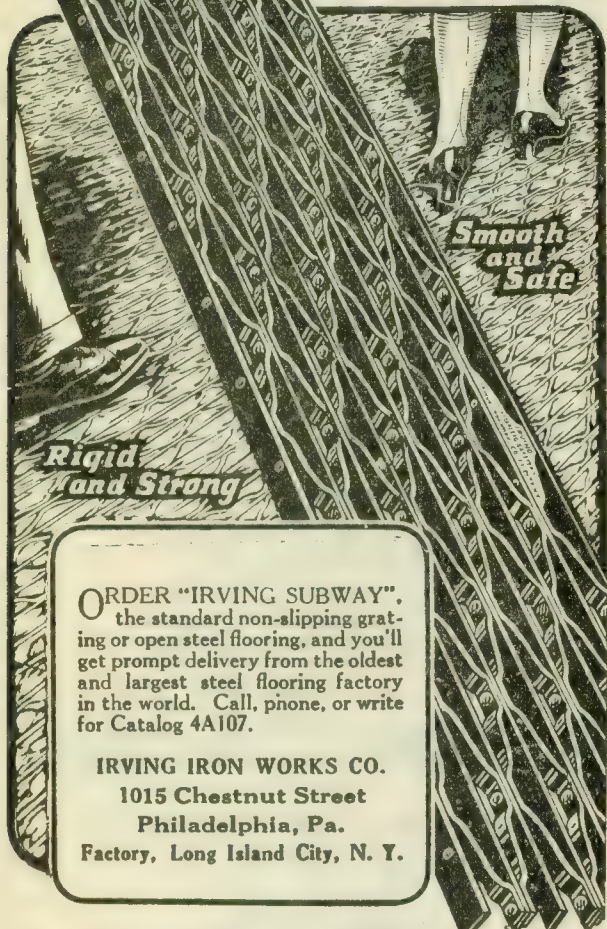
1. A home is an investment which must not be allowed to deteriorate.
2. Rehabilitation means greater resale value.
3. Rehabilitation is a form of insurance which the householder should carry to protect his family in the event of his death and a consequent forced sale of the property.

"Assured of building and loan associations financing for their customers, dealers in electrical fixtures, furnaces, instantaneous heaters, and the like, should make the Home Rehabilitation Movement a means of increasing greatly their business at little additional expense."

As illustrating the practical possibilities in this field, I would like to report the experience of Decatur, Illinois, a town of 40,000 population, which within the last few weeks has ventured a leadership in rehabilitation work.

Decatur has enjoyed a very active building program, including subdivision expansion. Its building activities were beginning to decline; some felt that there was possibility of approaching a status of overbuilding in some lines of new construction. A building and loan association president found himself facing three problems: First, he was alarmed by the decreasing equities in the older properties on which he had made loans. Secondly, he was slightly uneasy about the high loans necessary in order that new construction be undertaken. Thirdly, he was concerned about the large amount of

Always-When You Need Gratings —



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY". the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
FLOORING

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

Plant
Wissahickon Ave. & Juniata St.

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

capital which he had available for financing building properties but was unable to place.

He saw that large amounts of capital were disappearing or becoming frozen in the older properties,—that this was causing altogether too wide a differential between the sales value of the older property and the cost of new construction, with the result that many home owners who, because of growing families, social ambition, or increasing incomes, might wish to acquire a new, modern home, were finding it increasingly difficult to dispose of the old home without too great a sacrifice, a situation which unless remedied might eventually constitute a stiff hazard imperiling the values of new construction.

This building and loan president lumped all three problems into one. He went to the other building and loan presidents, to the banks, to the more progressive building material dealers and contractors, and took them out for a survey of the town. He pointed out how one house, fallen into bad repair, immediately depreciated in value, and also depreciated all the other houses on the street; how one section of one community if not properly maintained might affect the entire community.

The newspapers were called in and an informal Home Remodeling Co-operative Program was inaugurated. Everyone chipped in a small amount of money and instituted an advertising and general promotion campaign in the interests of Home Rehabilitation.

One or two of the building material dealers put on special plan men and instructed their salesmen to encourage this type of business.

While this movement has only been on a very short time in Decatur, one of the building material dealers reports a 156% increase in this type of business. The Building and Loan Associations report an increased volume of business, and although few of the business men concerned have kept separate records of this type

of business brought in through their co-operative effort, all report a nice volume and seem very well satisfied with progress made to date.

It is also interesting to know that a very fine volume of new construction is going on. Some of the local people believe that the Remodeling Program has actually stimulated new construction, since it has created a better morale and maintained a higher status of prosperity.

In Minneapolis the McDonald Lumber Company have stimulated this type of business through a small advertising campaign in one of the Minneapolis newspapers. The first ad, costing \$3.00, before 9.00 o'clock of the morning on which it appeared, sold over \$1100.00 worth of a variety of building material and also created work for carpenters, painters, electricians and others.

This company has working arrangements with a large list of carpenters, plumbers, painters, electricians and others and has organized its remodeling department quite efficiently and effectively. I cite this merely to indicate that one man or one company in a city of this size can lead and demonstrate the opportunity in this field very profitably.

In Kansas City the business men interested in the older downtown section have put on a rehabilitation program which involves changes in store fronts, additions, changing store interiors, lighting, etc., which will greatly improve the appearance of this old business section and will bring back trade.

Numerous small towns have completely rehabilitated their business sections, in many instances putting in new sidewalks, modern street lighting systems, paving streets, etc., in addition to remodeling the business buildings, with the result that they have greatly increased the volume of business coming to the town.

A school teacher co-operating with a contractor and starting on a "shoe string" in a small Illinois town has not only created a good income from remodeled properties which she now rents but has

also purchased old properties, rehabilitated them and sold them at a profit.

These demonstrations have greatly stimulated building activities in this town. The building material dealers report that this type of business now amounts to approximately one-half of their total sales.

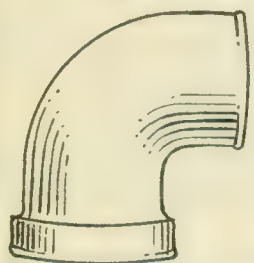
I can cite you other instances of contractor activities to tell how a plumber has engaged the services of a carpenter and developed a nice volume of business.

In another town a general contractor who was engaged in cheap new construction later changed to face-brick construction and is now operating a larger force of men entirely in remodeling work than he had at any previous time. The building material places in this town are prosperous.

In Chicago a new type of building construction has developed within recent months and report they will do over a million dollars worth of business in remodeling of older structures this year. They have a force of spotters out who locate properties that can be remodeled. The salesmen call and see these prospects. This construction company's own workmen do all the work; the company handles the paper necessary through a financing company.

You will remember back in the war period there was a shortage of both materials and labor available for housing. Later there was such a scarcity of housing and general types of construction that this labor and material was available generally only for new construction. Every jack-of-all-trades became a contractor or dealer of some type, with the result that during this period and also during the

Clausen Service—



Means Courtesy and Promptness in supplying you with

TERRA COTTA

FLUE LINING WALL COPING SEWER PIPE

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

WE SELL

With or Without Service

FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete

Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.

1844 North Front Street, Philadelphia

Phone—Regent 5911 Park 1373

"ORTHITE" Products for Every
Requirement in Concrete

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

war period many dealers, architects, contractors and others discouraged the remodeling and repairing of older properties. In many towns and cities this unfortunate attitude may still exist.

How big and how important is this field of Home Rehabilitation to the building material dealers of the country? I believe it is very great, and it offers in each of your towns and cities, as estimated by the Building and Loan Association, almost as large, or perhaps a larger volume of business than you have enjoyed from new homes.

Perhaps one-half to two-thirds of all the homes in the cities, including a large proportion of the apartment dwellings, the

well-conditioned, well located, but not quite modern homes have a market for your materials. The newest, most modern homes, and the poorest located, worst conditioned and most obsolete of the older properties are not included in this group.

The Building and Loan Associations are planning to push this type of building very aggressively. There are progressive building and loan associations in each of your towns. They will be glad to talk with you; so will others in your home town building circles.

The plumbing and heating industry knows that a large part of its future sales volume must be obtained from existing

homes. The paint industry is largely concerned with existing dwellings. The electrical industry knows that only a very small percentage of the homes have modern lighting fixtures and electrical outlets. The fire chiefs, fire insurance companies and underwriters know that the wiring is unsafe in a high percentage of the homes now having electrical facilities.

Nearly every group in the building field is hungry for business and you will find ready co-operators among all of them. Among those who will prove valuable are:

1. The Building Material Commodity groups, individual manufacturers, the trade organizations in the building field. In some instances this includes jobbers.

2. The Building and Loan Associations, Banks, Finance Corporations, Personal Loan Banks. Also, investment banks, specializing in mortgage securities.

3. The National Fire Insurance Companies, the local fire insurance agencies, and local underwriters.

4. Local chapters of architects.

5. Civic organizations, chambers of commerce, service organizations, such as rotary clubs, etc.

6. Local Federations of Women's Clubs, because of the interest taken by the National Federation in Home Improvement.

7. Most of the realtors, particularly those specializing in rented properties, or dealing in older properties. The realtor, as the agent of the property owner, is in an advantageous place to suggest remodeling or rehabilitation to stimulate sale or rental.

8. Local civic board governmental group, including fire chiefs, health officers, housing commissions, etc.

9. Local newspapers.

Various other groups will occur.

There are many salient selling points that can be used in selling both present and prospective home owners. A few of them are:

A more attractive exterior.

A modern and attractive interior arrangement.

Greater living comforts.

Easier heated in the winter, cooler in summer.

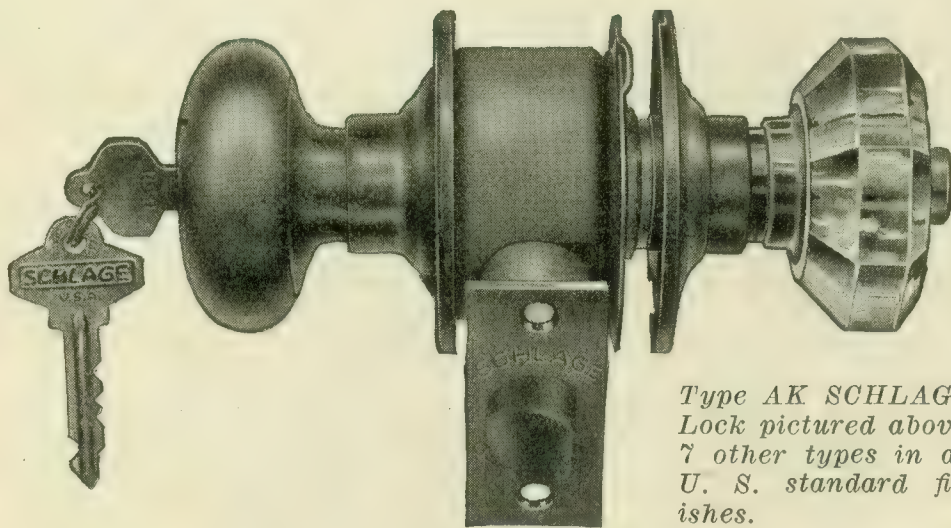
The acquirement of modern equipment (bathroom, laundry, kitchen.)

Greater resale value.

Insurance protecting the family in the event of death and consequent forced sale of the property.

To the renters you can propose that they can acquire a satisfactory modern home of ample size immediately, at a smaller cost.

To your local community as a whole you can suggest improved local prosperity, the release of unproductive capital, or the creation of new capital in the hands of the home owner.



Type AK SCHLAGE
Lock pictured above,
7 other types in all
U. S. standard finishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

Directory of Architectural and Building Trades of Philadelphia 1928

NOW BEING COMPILED AND WILL GO TO
PRESS SOON AND BE IN HANDS OF
ARCHITECTURAL AND BUILDING
TRADES EARLY IN 1928

To be sure your correct address and Bell and
Keystone phone numbers are properly
listed advise us at once of any changes.

To continuously and effectively focus attention
on your products and service, if you serve
Architects and the Building Trades, do
not overlook the Directory of the Architec-
tural and Building Trades of Philadelphia.

Advertising Rates on Application.

Building News Publishing Co.

1530 CHESTNUT STREET
PHILADELPHIA, PA.

Race 6108-7109

Rittenhouse 9771-2

It can be pointed out that values can be maintained more satisfactorily in each neighborhood,—that Home Rehabilitation is a necessary step in any civic improvement program,—that fire risks can be lessened.

The financial groups will be glad to conserve values and to find the outlets for their large accumulations of unproductive funds.

While it is probably unwise to make too close a comparison between the automobile industry and the building industry, it is nevertheless pertinent to point out that while the automobile industry has been improving and selling new cars with the greatest vigor, it also has given a large part of its time and effort in maintaining the capital investments in, and a liquid market for, cars in owner's hands at the highest point possible. If they had not made this second effort, I doubt very much if the automobile industry would be enjoying its present high status of prosperity.

In closing I would like to inquire if it might not be possible for the building industry, through co-operation with its allies (the realtors, financing organizations and others) to obtain a better organization of their mutual business with the expectation of immediately creating a higher status of building and general prosperity, and also, through the conservation of many millions of invested capital to so improve their mutual prospects that no one could predict the building operations or the housing standards of five, ten, fifteen or twenty years hence?

CONTRACTOR'S RIGHT TO PAY FOR EXTRAS

"There is to be no change in the work to be performed under this contract unless it is covered by written agreement, which must also say how much is to be added to or deducted from the original contract price on account of the change."

That, in substance although not in precise words, was that a California contract for remodeling a building provided. Because there was not strict compliance with the provision, litigation resulted. It was held by the California District Court of appeals (Bavin & Burch Company vs. Lard, 255 Pacific Reporter, 200) that a contractor was saved by a written order for changes after verbal orders had been acted upon. But the following language of the court's opinion will serve to emphasize the importance of close observance of the requirements of this very common clause:

"Courts generally have held this provision in a building contract as valid and binding, and have further held that without compliance therewith by the contractor the owner cannot be charged for extra work. . . . Indeed, in almost every juris-

diction the rule is accepted, though in some courts a tendency has developed to modify the strictness of the rule by declaring a waiver when benefits have been accepted and retained. The purpose of a provision of this sort in a contract is to protect the owner from unnecessary or unwarranted expense and to assure him that there will be some limit to his outlay. The average person desiring to construct a home or other building would be wholly at the mercy of his architect and contractor if the courts were to hold such a provision ineffectual for any purpose. No harm can come to the contractor, nor can any loss or damage ensue to him, by a strict enforcement of a provision of this character. He has his contract, and is bound only by the provisions thereof. He is not bound to do anything extra without written order, and knows that if he does he must speculate upon the owner's pleasure as far as payment is concerned."

But the same opinion shows that a clause of this kind is not so far sacred that it cannot be modified or rescinded by verbal agreement. It will not be enforced against a contractor who shows a distinct understanding with the owner for changes, although that understanding may have been oral. But the trouble about a reliance upon a verbal agreement modifying or superseding a written agreement is that the person asserting the verbal agreement has the burden of proving it, and if the owner denies having made that agreement the contractor may be "out on a limb," so to speak.—*Building Age*.

Construction operations, facing the advance of colder weather, decreased in volume during October, according to statistics compiled by the Associated General Contractors of America. The drop was not great enough, however, to deprive 1927 of its chance to set a new record for construction activities. The total volume for the first ten months of this year is five per cent. greater than the figure registered for the corresponding period of 1926.

The October volume was eleven per cent. smaller than the September mark. But the plane of activity two months ago was so high that, despite the perceptible drop last month, a total greater than ever before registered in the month of October was established.

In no year since 1921 has the month of October shown an increase in construction activities.

These figures, based upon shipments of construction materials, cover all types of construction. It is reported that residential building has shown a decline during recent months, but the volume of commercial and engineering construction has increased sufficiently to raise the total for all types to a new record.

An index which places the 1913 average at 100 as its basis, shows the index number for last month's volume to be 222. Corresponding figures for other months of this year are: January, 129; February, 121; March, 135; April, 166; May, 197; June, 212; July, 221; August, 238; September, 236.

The volume of contracts awarded during the first nine months of this year is appreciably greater than the figure registered in the corresponding period of 1926. This fact, coupled with the comparatively high degree of construction activity noted at the conclusion of October is taken as indicating that the opening of winter will find operations moving at a lively pace.

The cost of construction remained unchanged during October.

All live men are advertisers, and the only man who should not advertise is the man who has nothing to offer to the world in the way of human service, and such a man is a dead one, whether he knows it or not. Advertising is a legitimate and ethical proposition. Life is too short for you to hide yourself away, mantled in your modesty, and let the world hunt you out. Even the dead are advertisers, for on visiting a beautiful cemetery the other day, I noticed that on nearly every marble slab was given a list of virtues, talents and beautiful qualities which the dead man was supposed to have carried in stock. This is what you call non-productive advertising, or advertising from an emotional standpoint.—Elbert Hubbard.

There is not a business one can think of, which is not full of little temples where one can curse or pray. Every business that one knows has its host of light in it, fighting against its host of darkness; one set of men conducting the business as if they and the public were engaged in a sort of mutual enthusiasm and daily service, with permanent success as the goal; and another set of men whose success is ruining the business to which they belong, and the public besides—and themselves.

When you stop to consider that the Guide reaches every week and is read by architects, builders, building owners, contractors and sub-bidders in every branch of building construction, you must perceive its unique importance as a medium for advertising with an appeal to that class. Every copy reaches a live prospect.

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop. 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Armstrong & Latta Co. 1926 Sansom St., Phila.
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co., 1320 Race St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Builders Specialty Co., Inc. 1844 N. Front St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son. Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co., 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard. 3rd and Girard Ave., Phila.
Lewis Lumber Co. 324 Sloan St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.
Italian Marble Mosaic Co. 433 Spruce St., Phila.
Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co., 1320 Race St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard. 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50 N. 5th St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.



1792 1927

**"The Oldest
American
Fire and Marine
Insurance
Company"**

BUILDERS' RISKS ARE MANY

but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

"ANTI-HYDRO" Keeps this Huge Warehouse Dry



UNIT C, ARMY SUPPLY DEPOT, CHICAGO, ILL.
S. Scott Joy, Architect. E. W. Spraul Company, Contractors.

The concrete foundations of this enormous Army Supply Depot are waterproofed with "ANTI-HYDRO." The interior of the building is always dry.

"ANTI-HYDRO" was chosen for this job because "ANTI-HYDRO" results are known to be *permanent*. Twenty-three years of continuous use have proved that "ANTI-HYDRO" is the one dependable concrete hardener and waterproofer.

Being a liquid integral agent, "ANTI-HYDRO" mixes easily with the gauging water—any unskilled laborer can do it. It permeates the entire mass, producing uniformly hard and waterproof concrete *through and through*, instead of a thin surface coating. Use "ANTI-HYDRO" on your next job and see how economically you can produce permanent concrete.

ANTI-HYDRO WATERPROOFING COMPANY 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

METAL CORNICES
AND
SKYLIGHTS

TILES

IN SPANISH

Closed Shingle
Red and Glazes

FELT, PITCH, SLAG

ROOFING

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 47
November 23, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

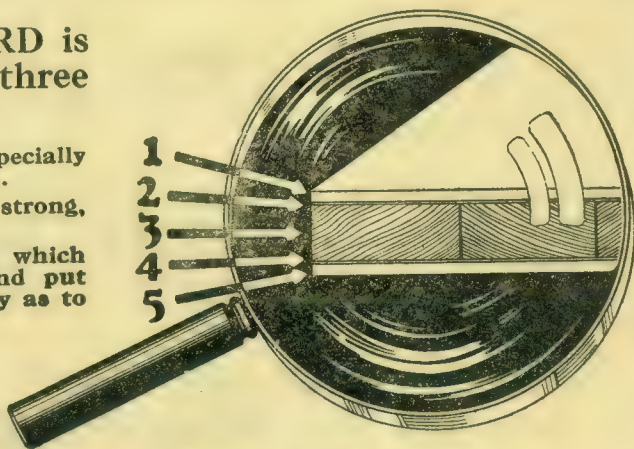
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS
COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

Save on high priced labor. An economy
that is apparent after the first load is used

West Jersey Sand and Supply Corp.

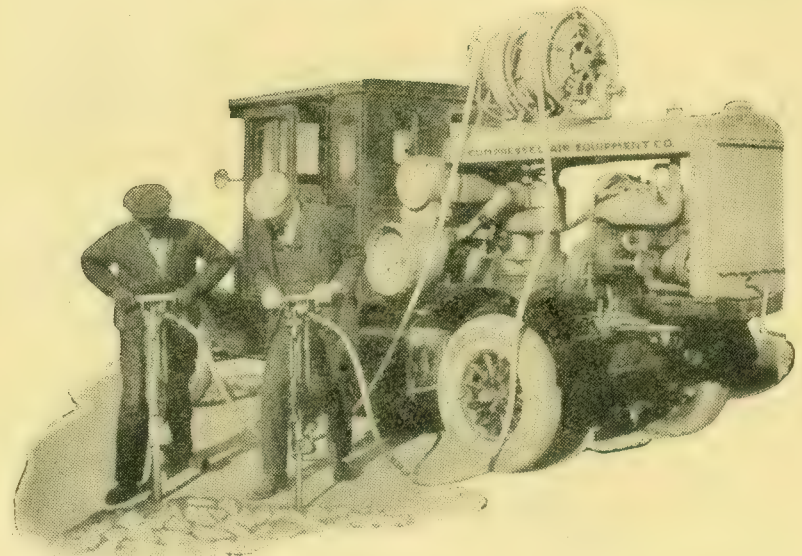
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell—Pennypacker 9540

Keystone—Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

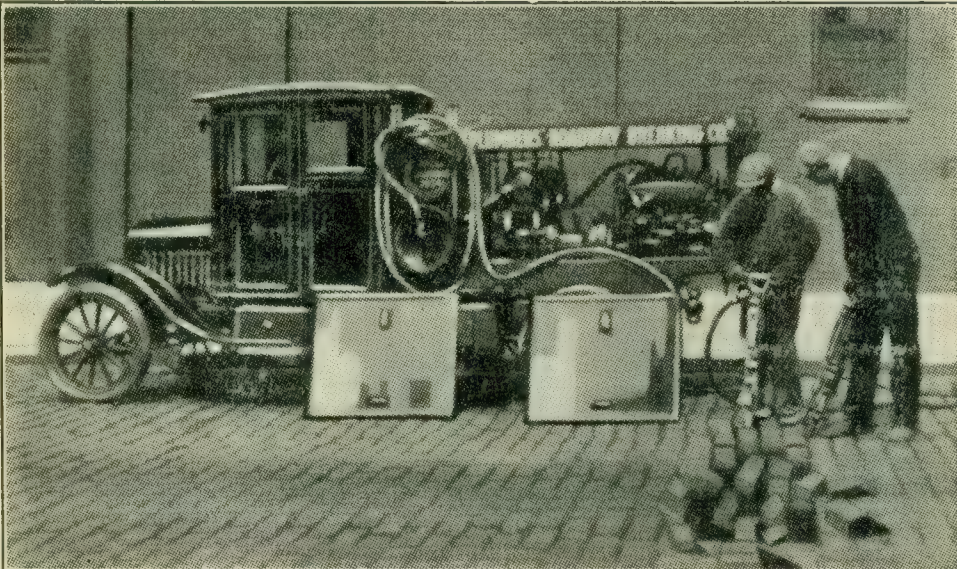
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

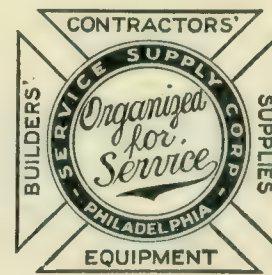
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



SERVICE SUPPLY CORPORATION FOR

**Live Contractors Who Are Going to Continue
Working Throughout Winter Months**

Our analysis of the necessary requirements for work to be done successfully in Winter months has placed us in a position to furnish complete **UNITS FOR WINTER CONSTRUCTION** beyond the experimental point.

Ask for this bulletin and also let us furnish you with information on how to make your concrete set in half the time it takes ordinarily.

MAIN OFFICE AND WAREHOUSE
**20th and Venango Streets
Philadelphia**

BRANCH OFFICES AND WAREHOUSES

235-37 N. Virginia Avenue
Atlantic City, N. J.

Wilbur Trust Building
Bethlehem, Pa.

BRICK

You may be familiar with the
UNUSUAL QUALITY
of the Finzer Full Range Forest Blend
FACE BRICK

but did you know that the price has been
Reduced to \$33.25 per M
Delivered and Stacked on the Job

OTHER UNUSUAL VALUES
are

Smooth Buff Courts \$31.75 per M
Vertical Tex Buffs \$30.00 per M

Telephone for samples and location of
jobs which we have served recently

**EXCELSIOR
BRICK and STEEL
Sales Co.**

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
**1823 BRANDYWINE STREET
PHILADELPHIA, PA.**

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



GARAGE-FACTORY-WAREHOUSE

DISTRIBUTED IN EASTERN PENNSYLVANIA BY

**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

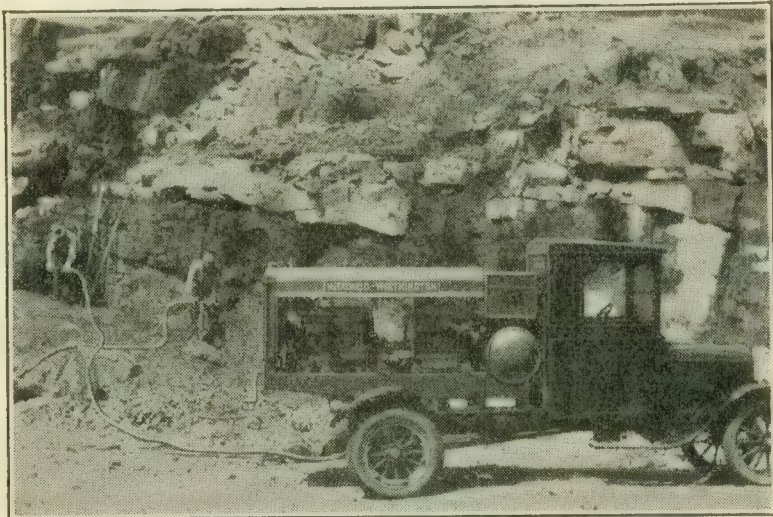
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

— PROMPT SERVICE —

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 47

PHILADELPHIA
November 23, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Building, 1210-12 Chestnut street, Philadelphia. Architect, Clarence E. Wunder, 1520 Locust street, Philadelphia. Owners, Estate of George Allen, 1214 Chestnut street, Philadelphia. 10 stories. Plans in progress.

Store Building, Oxford avenue, Fox Chase, Pa. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owner, name withheld. Brick, 1 story and basement, 60x60 feet, slag roof, maple floors, painting, glazing, plate glass, tile and marble work, vacuum heat, oil burning, metal bulks. Plans in progress.

Store and Apartments, Rhawn street, Fox Chase, Pa. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owner, name withheld. Brick, 3 stories and basement, 60x104 feet, slag roof, maple and hardwood floors, vacuum heat, electric light, tile work. Plans in progress.

Residences (5), Huntington pike, Rockledge, Pa. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owner, name withheld. Stone and frame, 2½ stories; brick, 2½ stories; frame, 2½ stories; frame and stucco; 28x36 feet each, slate and asbestos shingle roof, hardwood floors, hot water heat, electric light, tile work. Sketches in progress.

Store and Office Building (alts.), 726 Chestnut street, Philadelphia. Architect, C. E. Wunder, 1520 Locust street, Philadelphia. Owners, Haussmann & Co., 725 Chestnut street, Philadelphia. Plans in progress.

Store (1), Apartments (3), 1413 Hunting

Park avenue, Philadelphia. Architect, A. C. Borzner, 717 Walnut street, Philadelphia. Owner, Mrs. P. F. Gademian, on premises. Limestone front, 3 stories, general interior alterations. Plans in progress.

Garage and Show Room, Lancaster avenue (Northeast), between Fifty-sixth and Fifty-seventh streets, Philadelphia. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, Edward Abrams, City Center Building, Philadelphia. Brick, steel, 1 story, slag roof, concrete floors, electric light. Plans in progress. (Note new location.)

Church, Penn and Chew streets, Philadelphia. Architect, Edgar A. Wightman, Bankers' Trust Building, Philadelphia. Owners, Church of the Redeemer, Rev. F. H. Wilkie, 723 Wister street, Philadelphia. Plans in progress. Too early for details.

Alterations to Thirteenth, Fourteenth Floors, Loft and Pent House, 1411-19 Walnut street, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Philadelphia Stock Exchange Building, on premises. Demolition, brick work, concrete and cement work, terra cotta, cut stone, structural steel, slag roof, carpentry and mill work, painting, glazing, hardware, mail chute, electric work, plumbing, steam heat, bond. Architect taking bids due November 25th.

Apartment House, Church lane and Ogontz avenue, Philadelphia. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owner, Marin I. Isen, Pennsylvania

Building, Philadelphia. Brick, stone, 4 stories and basement, 98x150 feet, hardwood and pine floors, electric light, tile work, hot water heat, steel sash. Owner taking preliminary bid.

Residence (alts. and add.), Chestnut Hill, Pa. Architects, Tilden, Register & Pepper, 1520 Locust street. Owner, Mrs. J. E. Zimmerman, on premises. Stone, cut stone, brick, steel, 2 stories and basement, 38x38 feet, tin and copper roof, cork and oak floors, plumbing, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work. Architects taking bids due November 28th.

Stores (20), Apartments (11), Arcade (alts. and add.), Oxford and Griscom streets, Philadelphia. Architect, C. H. Fries, Oxford and Frankford avenues, Philadelphia. Owners, Mary Hubb's Estate, care of architect. Brick, limestone, 28x118 feet, 128x265 feet, 183x90 feet, irregular, slag roof, terrazzo, hardwood, cement and composition floors, vapor vacuum heat, electric light, tile and marble work, ornamental iron, plaster. Architect taking bids.

Residence, Alterations and Additions to 6 Apartments, 212 East Gowan street, Philadelphia. Architects, Watt & Coscia, 1504 Locust street, Philadelphia. Owner, Dr. Amos K. DuBell, on premises. Cinder block, stucco, 3 stories, 26x28 feet, slag roof, hardwood floors, electric light, metal lath. Architects taking preliminary sub-bids.

Residences (61), Thiry-fourth and Reed streets, Philadelphia. Owner, Michael Benja-

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

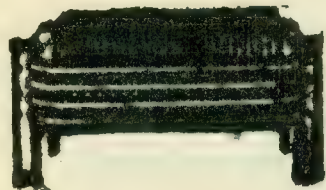
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard" ENAMELWARE

REPUBLIC BRASS ANACONDA BRASS PIPE

FLECK BROS. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

min, 5913 Chancellor street, Philadelphia. Brick, 2 stories, hot water heat, slag roof, hardwood floors, electric light. Owner taking bids.

Supplies, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due December 6th noon. Hardware, lumber, physical training supplies, etc.

Pennsylvania Railroad, Philadelphia. Owners, Purchasing Agent, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due November 29th at noon. No. 125, fabricated steel for tower. No. 126, for frogs, crossings and cross-overs.

Residences (54), Roselyn street, West of Front street, Philadelphia, \$205,600. Architect, private plans. Owner, Francis B. J. Branagan, 3701 North Broad street, Philadelphia. Brick, 2 stories, 15x25 feet, 12x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (10), North side Suffolk street, West of Eighty-first street, \$42,800. Architect, private plans. Owner, William Sterling, 5821 Norfolk street, Philadelphia. Brick, 2 stories, 15x38 feet, 11x11 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Storage Building, Southeast Corner Fifty-first and Botanic avenue, Philadelphia, \$2,000. Owners, Van Seiver Corporation, Beach and Berks streets, Philadelphia. Brick, 1 story, 12x20 feet. Permit issued.

Residences (2), North side Faunce street, East of Tabor road, Philadelphia, \$8,000. Architect, private plans. Owner, Harry Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, North side Chandler street, West of Verree road, \$4,000. Architect, private plans. Owner, A. Kammerle, 7518 Lawndale avenue, Philadelphia. Frame, 2 stories, 24 feet 6 inches x 43 feet, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences (6), West side Livingstone street, North of Westmoreland street, \$3,500 each. Architect, private plans. Owner, Walter Rybas, 3336 Edgemont street, Philadelphia. Brick, 2 stories, 15x32 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Bungalow, South side Avalon street, East of Academy street, Philadelphia, \$2,500. Architect, private plans. Owner, F. Dietrich, Jr., 1823 East Hilton street, Philadelphia. Frame, 1 story, 25x37 feet, hot air heat, electric light. Permit issued.

Store, Northwest Corner Sixty-sixth avenue and Limekiln pike, Philadelphia, \$4,500. Ar-

chitect, Edward Haldeman, 1112 Franklin Trust Building, Philadelphia. Owner, A. Leibovitz, 1112 Franklin Trust Building, Philadelphia. Brick, 1 story, 25x38 feet, slag roof, pine floors, electric light. Permit issued.

Service Station, Sixty-sixth avenue, West of Limekiln pike, Philadelphia, \$3,500. Architect, Edward Haldeman, 1112 Franklin Trust Building, Philadelphia. Owner, A. Leibovitz, 1112 Franklin Trust Building, Philadelphia. Brick, slag roof, cement floors, electric work. Permit issued.

Garage, West side Fourth street, North of Grange, Philadelphia, \$2,100. Architect, private plans. Owner, William C. Ferguson, Fourth and City Line, Philadelphia. Brick, 1 story, 72x18 feet, slag roof, cement floors, electric light. Permit issued.

Residence, North side Grant avenue, West of Clark street, Philadelphia, \$3,500. Architect, B. Harold Worthington, Bustleton, Pa. Owner, Eugene Watkins, Bustleton, Pa. Frame, 20x28 feet, slate roof, hot air heat, electric light. Permit issued.

Residences (16), South side Courtland street, West of Third street, Philadelphia. Architect, private plans. Owner, Angelo J. Ellis, Fourth and Wyoming avenue, Philadelphia. Brick, 2 stories, 14x23 feet, 10x7 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (13), North side Lindley avenue, East of Ninth, Philadelphia, \$59,500. Architect, private plans. Owner, S. J. Hother-sall, Jr., Ninth and Lindley avenue, Philadelphia. Brick, 2 stories, 15 feet 6 inches x 33 feet, 12x12 feet, slag roof, pine floors, electric light. Permit issued.

Residences (8), 3416-30 West Penn street, Philadelphia, \$32,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x33 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment and Store (add.), 1322 Locust street, Philadelphia, \$12,000. Architect, private plans. Owner, William J. O'Brien, Inc., 1316 Locust street, Philadelphia. Brick, 4 stories, 20x36 feet. Permit issued.

Miscellaneous Work. Low bidders. Philadelphia Hospital for Mental Diseases, roadway, etc., Curtis Brothers, State road, Philadelphia, \$15,425. Philadelphia General Hospital, grading, etc., Elkins Paving Co., 834 North Holly street, Philadelphia, \$11,400.

Bank, Frankford avenue and Rhawn street, Philadelphia. Owner, Holmesburg Trust Co., W. M. Rowland, 8031 Frankford avenue. Work contemplated.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

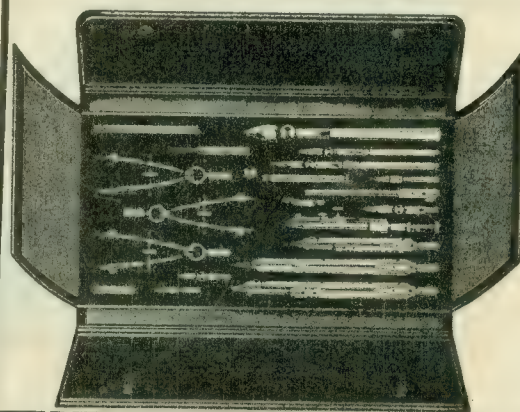
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED - Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

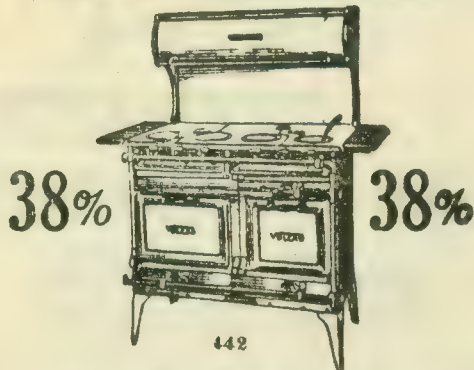
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

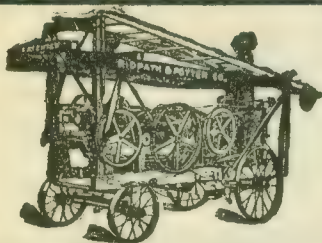
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

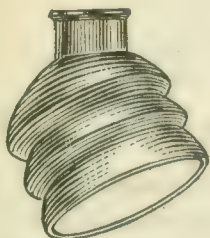
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM bnd 9300

Garages (10), Darrah street and Bridge street, Philadelphia. Architect, Samuel D. Milner, 4616 Frankford avenue, Philadelphia. Owner, Francis P. Moitz, 5513 Frankford avenue, Philadelphia. Brick, galvanized iron work, 1 story, 18x106 feet, 20x50 feet, steel, cement work. Architect will build and is taking sub-bids.

Bus Terminal, E. S. 13th St. between Filbert and Commerce street. Owner, Delaware Bridge Bus Association and Association of Motor Bus Owners of Philadelphia and vicinity, care of H. S. Shertz, Liberty Building. Size of lot, 140x204 feet. Site selected.

Stores (4) and Apartments (alts. and add.), southeast corner Sixty-third and Woodland avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Morris Shore, 6339 Woodland avenue, Philadelphia. General interior alterations. Architect taking bids due as soon as possible.

Theatre, Office and Stores, Northwest corner 20th and Market streets, Philadelphia. \$2,500,000. Architects, Hoffman-Henon Co., Finance Bldg., Philadelphia. Owners, Stanley Company of America, 1918 Race Street, Phila-

delphia. Brick, 1 story, 180x220 feet. Architects will build. Permit issued.

Apartment House, Oxford Avenue and Kenwyn Avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, name withheld. Brick, 3 stories and basement, 20x120 feet, slag roof, hot water heat, electric light, hardwood floors, tile baths. Plans in progress.

Church, Tacony, Phila. Architect, Samuel D. Milner, 4616 Frankford avenue, Philadelphia. Owner, name withheld. Stone, 1 story, 40x60 feet. Sketches being prepared.

Contract No. 131, Broad street Terminal (Fernrock Station). Owner, Department of City Transit, 1211 Chestnut street, Philadelphia. Owner taking bids due December 2nd noon. Deposit \$50.00, refunded certified check 5%. Paving, grading, miscellaneous work, etc.

Residence (add.), 5910 Haverford avenue, Philadelphia, \$2,300. Architect, private plans. Owner, C. Crittenden Pryor, 5812 Haverford Avenue, Philadelphia. Brick, 2 stories addition, 16x24 feet. Permit issued.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Dye House (add.), Southeast corner Rorer and Ontario streets, Philadelphia, \$24,000. Architects, private plans. Owners, Schlatter Dyeing Company, on premises. Brick, 2 stories addition, 54½x111½ feet. Contract awarded F. Crompton & Bro., 4614 Oakland street, Philadelphia.

Residence and Garage, Meadowbrook avenue, East of Stroud street, Chestnut Hill, Pa., \$40,000. Architects, Edwards & Hoffman, 315 South Fifteenth street, Philadelphia. Owner, J. D. Newbold, Jr., Chestnut Hill, Pa. Stone, cut stone, limestone, brick, 2½ stories and basement, 56x47 feet, wing 21x20 feet, garage, 1 story, 21x30 feet (heating and electric reserved), asbestos shingle roof, oak, pine and cement floors, plumbing, metal weather strip, flagstone, metal lath, bond, casement windows, ornamental iron, brass pipe, iron pipe, area gratings, cinder concrete block, Zenithern flooring. Contract awarded John W. Moffley, 3rd, 515 West Mt. Airy avenue, Philadelphia.

Apartment House, North side Grange street, West of York road, \$200,000. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Own-

er, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, 4 stories, 110x178 feet, slag roof, hardwood and pine floors, vapor heat, electric light, tile work. Contract awarded S. Brenner, 5936 Ogontz avenue, Philadelphia.

Dairy Building, 4917-25 Lancaster avenue, Philadelphia. Architect, private plans. Owners, Supplee-Wills-Jones Co., Twenty-sixth and Jefferson streets, Philadelphia. Brick, steel, 2 stories and basement, 85x135 feet, slag roof, cement floors, rolled steel sash. Contract awarded George Kessler Contg. Co., 1733 North Marvine street.

Office and Storage (alts. and add.), Southeast Corner Nineteenth and Arch streets, Philadelphia, \$3,000. Architect, Charles E. Oelschlager, 1615 Walnut street, Philadelphia. Owners, Andrew J. Bair & Son, 3925 Chestnut street, Philadelphia. Brick work, demolition, carpentry, mill work, slate roof, iron work, plumbing, vapor heat, electric light, dumb waiter, tile work. Contract awarded F. K. Worley Const. Co., Wesley Building, Philadelphia.

Parsonage and Sunday School, Luzerne and

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

M street, Philadelphia. Architects, Seeburger & Rabenold, 1524 Chestnut street, Philadelphia. Owners, Nazareth Evangelical Lutheran Church, on premises. Stone, 2 stories and basement, 48x30 feet, 50x62 feet, slate roof, pine and cement floors, metal lath, bond, ornamental iron work. Contract awarded E. J. Kreitzburg, 1333 Arch street, Philadelphia. (Note contractor.)

Storage Building, Butler and Gaul streets, Philadelphia. Architect, private plans. Owners, F. W. Tunnell & Co., Wheatsheaf lane and Gaul street, Philadelphia. Corrugated iron, 1 story, 33x93 feet, slag roof, cement and pine floors, rolled steel sash. Contract awarded J. S. Rogers, Drexel Building, Philadelphia.

Factory Building, Fiftieth, North of Wynnefield avenue, Philadelphia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, Mallard Bryan, on premises. Contract awarded L. Rosengarten, Otis Building, Philadelphia.

Dormitories and Power Plant, Shallcross School, Byberry, Pa. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, steel, stucco, 2½ stories, 120x73 feet, 1 story, 178x147 feet. Contracts awarded: R. S. Herzog, 10 South Eighteenth street, \$328,680; plumbing, William Newell & Son, 2035 Arch street, Philadelphia, \$32,600; heating, F. Wackenhutt, 2416 Frankford avenue, \$49,349; ventilating, Thompson Brothers, 520 Buttonwood street, \$2,653; electric, C. M. Parkhurst, 341 North Eighteenth street, Philadelphia, \$25,296; sewage disposal, J. Borden & Brother, 639 North Nineteenth street, \$30,743, \$12,900. Sewage disposal, on concrete work, Belgium block, broken stone, cinder filler awarded to Robert E. Lamb Co., 841 North Nineteenth street, Philadelphia.

Store and Apartment (alts.), 2535 South Thirteenth street, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owners, Star Tailoring Co., 1327 Shunk street, Philadelphia. Contract awarded Clayton Lofland, 231 North Water street, Philadelphia.

Tank Building, Northeast Corner Fifty-seventh and Hoffman streets, Philadelphia, \$3,000. Architect, private plans. Owners, Eagle Ice Co., Northwest Corner Fifty-seventh and Hoffman streets, Philadelphia. Brick, 1 story, 123x31 feet. Contract awarded William F. Koelle & Co., 1633 Race street, Philadelphia.

Warehouse, 2337 Germantown avenue, Philadelphia, \$2,540. Architect, private plans. Owners, J. A. Lindsay Sons, 122 North Eleventh street, Philadelphia. Brick, 3 stories, 18x73 feet. Contract awarded John Humphries, 2526 North Fifth street, Philadelphia.

Residence (add.), South side Queen lane, West of Wissahickon avenue, Philadelphia, \$6,845. Architect, private plans. Owner, Frank R. Wallace, on premises. Stone, 2 stories add., 22x22 feet. Contract awarded William C. Wright & Son, 22 Harvey street, Philadelphia.

Store (alts.), 1630 Chestnut street, Philadelphia, \$5,000. Architect, private plans. Owners, Mann & Dilks, Eleventh and Chestnut streets, Philadelphia. General alterations. Contract awarded Paul Brosz, 2511 West Huntingdon street, Philadelphia.

Residence (alts.), 816 Lombard street, Philadelphia, \$300. Architect, private plans. Owner, Armstead Rollins, 424 South Eleventh street, Philadelphia. General alterations. Contract awarded C. A. Judge, 2013 Oxford street, Philadelphia.

Shop, East side Nineteenth street, South of Venango street, Philadelphia, \$2,000. Architect, private plans. Owners, Frank C. Snedaker Co., Ninth and Tioga streets, Philadelphia. Brick, 1 story, 22x50 feet. Contract awarded to H. E. Sweger, 4435 North Uber street, Philadelphia.

Garages (48), East side Lawrence street, North of Duncannon street, \$10,000. Architect, private plans. Owner, Edward Bretzius, 5225 North Fifth street, Philadelphia. Brick, 1 story, 8x16 feet each, slag roof, cement floors. Contract awarded John L. Kraemer, 4819 North Mascher street, Philadelphia.

Residence (add.), 402-04 West Penn street, Philadelphia, \$7,000. Architect, private plans. Owner, Christian Haasis, 400 West Penn street, Philadelphia. Brick, 2 stories add., 10x29 feet. Contract awarded Fred Elvidge, 5409 Germantown avenue, Philadelphia.

Moving Picture Theatre (alts.), 1106-08 North Fortieth street, Philadelphia. Architect, private plans. Owners, Ritz Amusement Co., 4385 Leidy avenue, Philadelphia. General alterations. Contract awarded Charles Swartz & Son, 628 South Conestoga street.

Store and Office (add. and alts.), 5144 Market street, Philadelphia, \$4,000. Architect, private plans. Owners, Blair, Inc., 5225 Chestnut street, Philadelphia. Brick, 1 story add., 20x62 feet, general alterations. Contract awarded Robert Brizell, Norwood, Pa.

Office, South side Hunting Park avenue, West of G street, Philadelphia. Owners, Barber Asphalt Co., Thirtieth and Race streets, Philadelphia. Brick, 2 stories, 60x30 feet. Contract awarded Day & Zimmerman, 1600 Walnut street, Philadelphia.

Residence (alts.), 111 East Mt. Airy avenue, Philadelphia, \$2,000. Owner, James M. Clewes, on premises. General alterations. Contract awarded Frank K. Stahl, 2711 North Park avenue, Philadelphia.

Residence, East side Station road, North of Poquessing street, \$5,000. Architect, private plans. Owner, Frank Hippe, on premises. Frame, 2 stories, 26x26 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded E. Allen Reeves, Abington, Pa.

Residence and Store (alts.), 5339 Girard avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Mamas Hatch, 5303 Girard avenue, Philadelphia. General alterations.

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all pos
equipment and Murphy cabinet ired
well as samples of the Murp

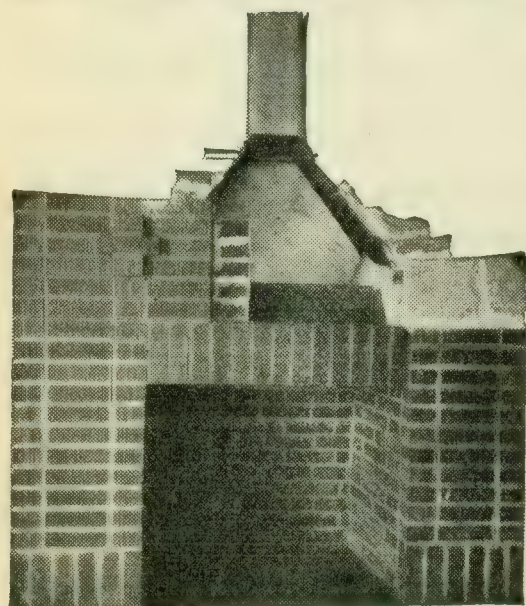
THE MURPHY DOOR I

512 Bulletin Building
Philadelphia
Penna.

Ben
19 W

THERE IS ONLY ONE IN-A-I
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.

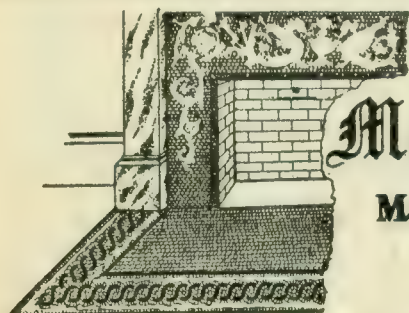


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonete
produce the "shiny" appearance of paint. Stonetex loo

BEDS

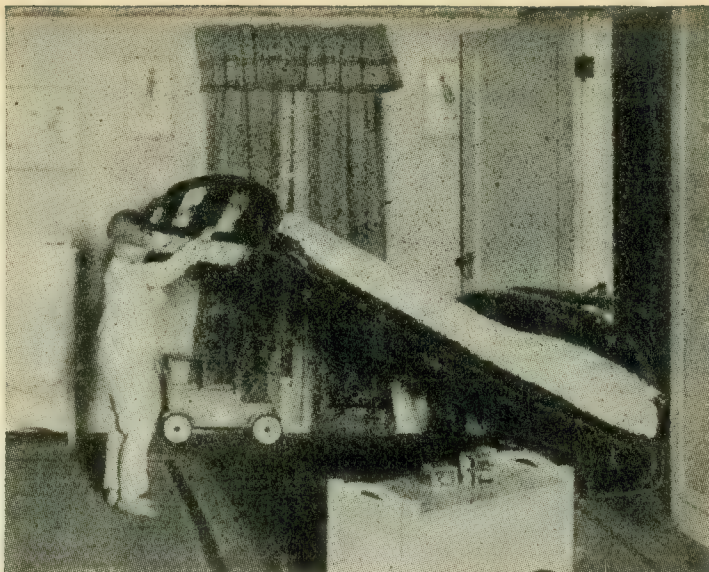
comes
rings

call at our
ain kitchen
g boards as
Beds

D CO.

ey Building
44th Street
w York

R BED



A child can operate the bed

omfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.
d the concrete is spalling
stopped by the application

as it prevent moisture
lso covers the surface
es flat. It does not
e masonry.



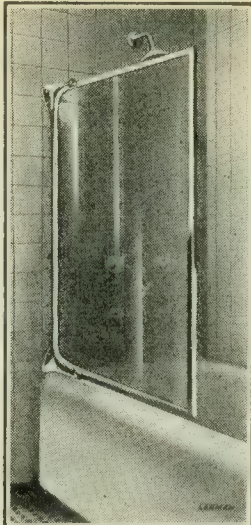
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Contract awarded S. M. Haig, 246 Melrose avenue, Philadelphia.

Residence and Store (alts.), 2867 Kensington avenue, Philadelphia, \$2,000. Architect, private plans. Owner, E. T. Shuttleworth, 3054 Kensington avenue, Philadelphia. General alterations. Contract awarded Colonial Const. Co., 751 Jericho street, Philadelphia.

Tank Enclosure, 2815 Gray's Ferry road, Philadelphia, \$5,000. Owners, Henry Bower Chemical Co., on premises. Contract awarded Philadelphia Boiler Works, 1708 Callowhill street.

Warehouse, Northeast Corner Edmund and Shelmire streets, Philadelphia, \$4,800. Architect, private plans. Owners, Mitchell Specialty Co., on premises. Steel, frame, 1 story, 48x90 feet. Contract awarded Truscon Steel Co., 1505 Race street, Philadelphia.

Stores (add. and alts.), Southwest Corner Elmwood avenue and Massey street, Philadelphia, \$4,500. Architect, private plans. Owner, T. E. McCabe, 6761 Guyers avenue, Philadelphia.

Lewis Lumber Co.

Lumber
Stock Millwork
Jobbers' Lumber
Sheetrock
Flintkote Shingles

324 Sloan Street
Philadelphia

(Between 39th and 40th, off Powelton Ave.)

Phone, Evergreen 4769

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

ARROWHEAD STEEL GRATINGS

FRANK PETTIT ORNAMENTAL IRON WORKS

REGENT 9857

1505-15 N. Mascher Street, Phila.

PARK 4147-4148

Philadelphia. Brick, second story add., 45x50 feet, general alterations. Contract awarded G. W. Wilson, 2560 Pershing street, Philadelphia.

Apartment House (alts.), 7046 Woodland avenue, Philadelphia, \$4,000. Architect, private plans. Owner, C. Rabinowitz, 7042 Woodland avenue, Philadelphia. General alterations. Contract awarded D. Rosenberg, 2510 South Eighth street, Philadelphia.

Pennsylvania Construction News

Store Building, Aronimink Boulevard and Childs avenue, Aronimink, Pa. Owner, Fred L. Ramsdell, 6914 Market street, Philadelphia. Work contemplated in spring, 1928.

Residence and Garage, Morris avenue, Bryn Mawr, Pa., \$200,000. Architects, Savery & Scheetz, Stephen Girard Building, Philadelphia. Owner, F. G. Kennedy, Jr., Stephen Girard Building, Philadelphia. Plans in progress.

Theatre and Stores (4), Rose lane, Lancaster avenue, Rosemont. Architect, A. C. Bieber, 1520 Locust street, Philadelphia. Owner, name withheld. Reinforced concrete, stucco, 1 story, 75x164 feet, slag, gypsum slab roof, aquia stone trim, electric light, tile and marble work, seating capacity 2,000. Plans in progress.

Convalescent Home (add.), Broomall, Delaware County, Pa. Architect, A. H. Broekie, 254 South Fifteenth street, Philadelphia. Owners, Convalescent Home, Mrs. Helen Fowler, Broomall. New wings (2), accommodation for 30 beds. Plans in progress.

Cottages (2), Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village, Laurelton, Pa. Stone, hollow tile, 2½ stories and basement, 40x117 feet, 2 wings, 32x37 feet, asbestos shingle roof, concrete and cement floors, hollow tile, plastered, metal lath, wood sash, vapor heat. Plans in progress. Ready for bids in January, 1928.

Sewage Disposal Plant, Laurelton, Pa. Architect, George S. Idell, 1510 Chestnut street, Philadelphia. Owners, Laurelton State Village, Laurelton, Pa. Ready for bids about January 1st.

Store and Office, Second street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Miller Kades, on premises. General interior alterations, oak floors, elevators, tile work. Owner will build.

Lodge (add. and alts.), Pottsville, Pa. Architects, Muhlenberg Brothers, 401 Masonic Building, Pottsville, Pa. Owners, L. O. O. M., No. 411, care of architects. Brick, steel, 1 story, built-up roof or slate roof, hardwood

floors, electric light, tile and marble. Owners taking bids.

School, Rockledge, Pa. Architect, C. H. Fries, Frankford and Oxford street, Philadelphia. Owners, Rockledge School District, Rockledge, Pa. Stone, 1 story and basement, 30x45 feet, slag roof, hot air heat extension, stone work, cement work, lumber, mill work, painting, glazing, plastering, structural steel. Architect will be ready for sub-bids in two weeks.

Residences (25), Springfield, Delaware County, Pa., \$300,000. Owner, Robert Free-mont, Springfield, Pa. Stone, hollow tile, stucco, central heat, tile work, electric light, shingle roof, hardwood floors. Owner is building.

Factory and Warehouse, Norristown, Pa., \$100,000. Architect, private plans. Owners, Norristown Magnesite & Asbestos Co., care of T. Jenkins, Norristown, Pa. Brick, steel, 1 story, 115x280 feet, slag roof, cement floors, electric light. Plans completed. Will build in spring, 1928.

Church (fire rebuilding), Scranton, Pa., \$50,000. Architect, Theodore Preitz, 313 Lackawanna avenue, Scranton, Pa. Owners, St. Stanislaus' Roman Catholic Church, Rev. A. S. Novak, 311 Oak street, Scranton, Pa. Metal lath, asbestos shingle roof, electric work, copper work, imitation marble, galvanized iron, cement, stucco, plaster, plumbing, leaded glass. Plans in progress. Architect will be ready for bids next week.

Church, Mayfield, Pa., \$60,000. Architect, Lester M. Davis, Rehrig Building, Scranton, Pa. Owners, St. John the Baptist Russian Orthodox Church, John Nydock, Chairman, Building Committee, Mayfield, Pa. Brick and veneer, 1 story and basement, 44x112 feet. Plans completed.

Stores (add. and alts.), from Bank, Kingston, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, West Side Trust Co., D. O. Loughlin, cashier, Market street and Wyoming avenue, Kingston, Pa. Brick, 3 stories, 38x112 feet. New plans in progress.

Recreation Building, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Penn State College, State College, Pa. Brick, cut stone, limestone, reinforced concrete, 3 stories and basement, 224x169 feet, asbestos asphalt roof, cement and maple floors, hollow tile, safety treads, plumbing, waterproofing, flagstone, metal lath, terrazzo work, rolled steel sash, steel and kalamein doors, bond, ornamental iron work, wrought iron pipe, area gratings, locker insulation, Porete roof slabs, metal toilet partitions, rubberoid roofing, linoleum floors. Architect taking bids due December 7th, 3 P. M.

Factory (add. and alts.), Adamstown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, George W. Bollman Co., Adamstown, Pa. Brick, steel, 3 stories, 89x52 feet, built-up roof, cement and wood floors, electric work, steel sash, fire and kalamein doors, bond, iron stairs. Owners taking bids due November 26th.

Sales and Service Building, Fifth and Water streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owner, R. W. Beneke, Chester, Pa. Reinforced concrete, brick, 2 stories, slag roof, concrete ramps. Architect taking bids due November 25th.

Hospital (add. and alts.), Shamokin, Pa., \$60,000. Architect, F. A. Rianhard, Masonic Building, Williamsport, Pa. Owners, Shamokin General Hospital, Dr. George Reese, superintendent, Shamokin, Pa. Brick, 2 stories, irregular size, rear add., alterations to plumbing and heating. Architects taking bids due November 26th at 2 P. M. Certified check, 5 percent. Deposit, \$5.00.

Residence and Garage and Servants' Quarters, State road and Matthewson Way, Lower Merion Township, Pa. Architects, Gilmore & Barthmaier, 1518 Walnut street, Philadelphia. Owner, Clarence J. Gallagher, Wynnewood, Pa. Stone, brick, cut stone, steel, 2½ stories and basement, irregular in size, slate and shingle roof, oak, pine and cement floors, celotex, electric light, metal lath, tile and marble work, bond, ornamental iron work. Architects taking bids due November 28th.

School Building, South Charleston, West Virginia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, South Charleston, West Va. Architect taking bids.

School Building, State Line, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, State Line, Pa. Architect taking bids.

Widening Kerlin Street, Upland, Pa. Engineer, C. S. Baker, Chester, Pa. Owners, Borough Council, F. M. Reed, Upland, Delaware County, Pa. Laying of sidewalks, curbs, relocation of sewer inlet. Owners taking bids due December 5th, 8 P. M.

Gymnasium Building, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Board of Education, Oscar B. Heim, secretary, Eighth and Washington streets, Reading, Pa. Brick, steel, cut stone, reinforced concrete, 2 stories and basement, 95x242 feet (plumbing, heating, electric and ventilating separate), built-up roof, composition, cement and maple floors, hollow tile, safety treads, roof ventilators, metal lath, tile and marble, steel skylights, hollow metal doors, bond, floor hardener, ornamental iron, area gratings, membrane waterproofing, integral waterproofing. Lowest bidders: Reider & McLaughlin, 1504 Alsace road, Reading, Pa., \$145,610; P. H. Kelly Co., 1713 Sansom street, Philadelphia, \$148,470; plumbing, Wasner & Reddig, 206 North Sixth street, Reading, \$35,000; heating and ventilating, Corbit Brothers, 147 North Fifth street, \$55,500; electric, Howard P. Foley Co., 34 South Seventeenth street, Philadelphia, \$5,185.

Residence, Meadowbrook, Pa. Architect, name withheld. Owner, Lincoln Roden, Jr., Bankers' Trust Building, Philadelphia, Pa. Stone. Plans in progress.

Bungalow, Walnut and Penn streets, Pottstown, Pa., \$8,000. Architect, A. S. Kepner, 121 North Hanover street, Pottstown, Pa. Owner, John L. Halteman, 610 King street, Pottstown, Pa. Brick, 1½ stories, 24x38 feet. Plans in progress.

West End High School (add.), Lancaster, Pa. Architect, C. E. Urban, Woolworth Bldg., Lancaster, Pa. Owners, Lancaster School District, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 3 stories, 146x200 feet, composition roof, linoleum oors, hollow tile, safety treads, roof ventilators, metal weatherstrips, water and dampproofing, arch. terra cotta, cast stone, area gratings, iron pipe, brass pipe, ornamental iron, iron stairs, bond, fire doors, skylights, tile, marble, metal lath. Low bidders: John C. Snyder, Selinsgrove, Pa., \$303,777. John H. Wickersham, Appel Bldg., Lancaster, Pa., \$308,500. Plumbing: Bard Will Co., 116 South Queen street, Lancaster, Pa., \$28,619. Heating and Ventilating, Everts and Overdeer, 1 Howard avenue, Lancaster, Pa., \$72,980. Electric: Mitchell and Company, 1337 McFerren street, Philadelphia, \$22,300.

Residence, Yost avenue and Cedar avenue, Spring City, Pa. Architect, J. Vincent Poley, Royersford, Pa. Owner, Clayton Latshaw, Yost avenue, Spring City, Pa. Stone, brick, 2½ stories, 42x36 feet, asbestos roof, hardwood floors, plumbing, hot water heat, electric light, tile work. Plans in progress. Owner will take sub-bids.

Hospital (alts. and add.), Sellersville, Pa. Architect, Ritcher and Eiler, Reading, Pa. Owner, Grand View Hospital, S. A. Derstine, 239 Branch street, Quakertown, Pa. Brick, 2 stories and basement, irregular in size, slate roof, composition and maple floors, electric light, metal lath, tile and marble work. Owner taking bids.

Residence, Church street, Royersford, Pa. Architect, J. Vincent Poley, Royersford, Pa. Owner, Russell Winter, Main street, Royersford, Pa. Brick, 1½ stories, 36x32 feet, asphalt shingle roof, hardwood oors, hot water heat, electric light, tile work. Plans in progress. Owner will be ready for general bids in ten days.

Pennsylvania Contracts Awarded

Residence, Somerton, Pa. Architect, private plans. Owner, Frank Heppe, Bethayres, Pa. Brick, frame stucco, 2 stories, 26x26 feet, slate roof, oak floors, hot air heat, electric light. Contract awarded E. Allen Reeves, Abington, Pa.

Dry Cleaning Plant, South Madison street, Pottstown, Pa. Architect, A. S. Kepner, 121 North Hanover street, Pottstown, Pa. Owners, Philadelphia Dyeing and Cleaning Co., Morris Miller, 7 South Hanover street, Pottstown, Pa. Brick and steel, 1 story, 22x60 feet. Contract awarded F. H. Keiser Co., 128 East Fourth street, Pottstown, Pa.

Sewers and Sewage Disposal Plant, Northampton, Pa. Engineers, L. J. H. Grossart, and L. P. Grossart, 816 Chew street, Allentown, Pa. Owners, Borough of Northampton, Pa. Sewers, District No. 1, awarded to Flanagan and Correalle, Scranton, Pa., \$122,000. Sewage Disposal Plant awarded to R. T. and C. D. Stewart, Jones Building, Easton, Pa., \$58,000.

School, Ridley Park, Pa. Architect, P. F. Getz, Victory Building, Philadelphia. Owners, Our Lady of Peace, Rev. A. L. Reese, Ridley Park, also D. Cardinal Dougherty, Eighteenth and Summer streets, Philadelphia. Stone, concrete, cut stone, brick, 2 stories and basement, 55x85 feet (oil burning system reserved), vapor heat, electric light, metal lath, rolled steel sash, bond, iron stairs, ornamental iron work, asbestos shingle roof, maple floors, metal ceilings, dampproofing, bluestone, metal toilet partitions, plumbing and fixtures (waterproofing reserved). Contract awarded F. V. Schubert, Reese and Wingohocking streets, Philadelphia.

Silk Mill (add.), Bethlehem, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owners, Twentieth Century Silk Co., Mr. Nathanson, Bishopsthorpe and Cherokee streets, Bethlehem, Pa. Brick, steel, 2 stories, 100x150 feet, slag roof, factory maple floors, elevators, roof ventilators, fire doors, steel sash, heating extension. Contract awarded Potruch Const. Co., 926 Hamilton street, Allentown, Pa.

Alterations and Additions, Chester pike, at Manoa, Delaware County, Pa. Architect,

George I. Lovatt, 224 South Sydenham street, Philadelphia. Owners, Llanerch Country Club, on premises. Stone, cut stone, stucco, 1 story and basement, 37x64 feet, 33x12 feet, Carey asbestos built-up roof, tin and shingle roof, pine and cement floors, carpentry and mill work, waterproofing, bluestone, ornamental iron work, metal lath, tile, terrazzo work, plastic ofloring. Contract awarded Knox Landers, 1132 Vine street, Philadelphia.

Crippled Children's Hospital (Unit No. 3), Elizabethtown, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Department of Public Health, T. B. Appell, Harrisburg, Pa. Brick, cut stone, granite, steel, reinforced concrete, 2 stories and basement, 74x36 feet, 48x29 feet, gypsum tile built-up roof, tile metal hardener, cement floors, hollow metal doors, tile and terrazzo work, bond, floor hardener, terra cotta, cast stone, waterproofing, metal toilet partitions, sani-onyx partitions, iron work and stairs, casement windows (plumbing, heating, electric separate), architectural terra cotta. Contract awarded R. S. Herzog, 10 South Eighteenth street, Philadelphia, \$187,000.

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

**PILES, FOUNDATIONS
CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

WE SELL
With or Without Service

FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete

Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.
1844 North Front Street, Philadelphia
Phone—Regent 5911 Park 1373

"ORTHITE" Products for Every
Requirement in Concrete

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

Plant
Wissahickon Ave. & Juniata St.
Philadelphia

Theatre, Hanover, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, Hanover Theatre Co., care of architects. Semi-fireproof, 2 stories, 50x230 feet,

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

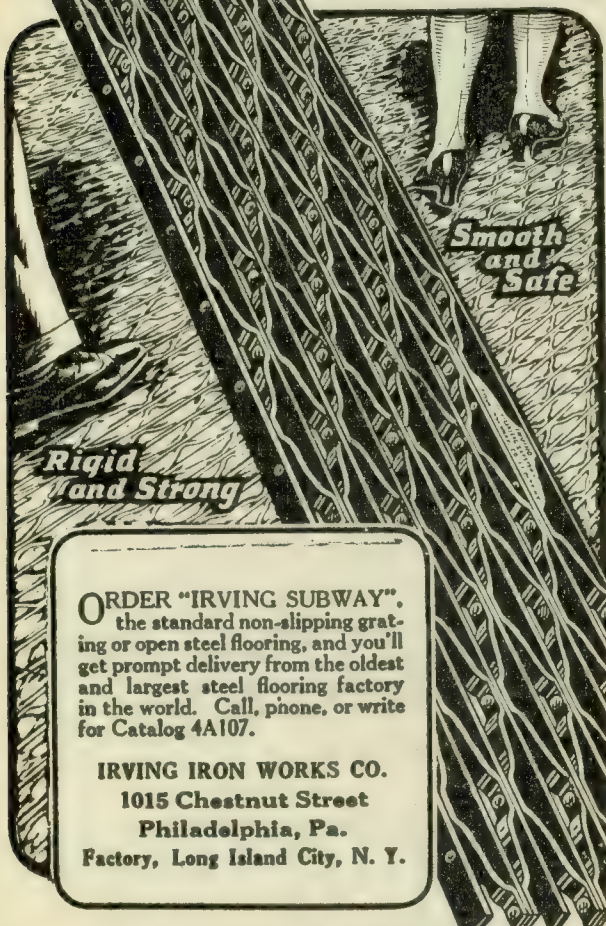
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING SUBWAY
FLOORING**

Barrett roof, composition and tile roof, hollow tile, roof ventilators, waterproofing, architectural terra cotta, ornamental plaster, limestone, manufactured stone, bond, iron stairs, fire doors, steel sash, tile, marble and terrazzo, metal lath (heating, plumbing and electric separate). Contract awarded O. H. Hostetter, Centre Square, Hanover, Pa.

Lodge and Stores, Carlisle, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, Carlisle Castle Corp., Samuel Goodyear, Carlisle, Pa. Brick, cut stone, steel, 3 stories, 60x55 feet, composition roof, hardwood floors, tile and marble, bond, iron stairs, casement windows. Contract awarded B. H. Snyder, Carlisle, Pa.

Office (add. and alts.), Walnut street, Harrisburg, Pa. Architect, B. E. Starr, 9 North Second street, Harrisburg, Pa. Owner, Joseph Kline, care of architect. Brick, 4 stories, 100x25 feet, new add., 95x25 feet, slag roof, wood floors, elevators, heating extension, electric light, tile and marble, steel skylights. Contract awarded to John Stopf, Harrisburg, Pa.

Church and Sunday School, Ashland, Pa. Architects, Muhlenberg Brothers, 511 Penn street, Reading, Pa. Owners, Ashland Presbyterian Church, Mr. Heaton, Building Committee, Ashland, Pa. Stone, 1 story and basement, 31x77 feet, 31x32 feet, 31x44 feet, slate roof, hardwood floors, waterproofing and dampproofing, flagstone, vapor heat, electric light. Contract awarded Gordon Nagle, Morris Building, Pottsville, Pa.

Residence and Garage, West Chester, Pa. Engineers, Haupt & Co., 901 Walnut street, Philadelphia. Owner, J. Harry Kauffman, 15 Gay street, West Chester, Pa. Brick, 2 stories and basement, 20x40 feet, slag roof, oak and pine floors, hot water heat, electric light. Contract awarded J. S. Creamer, 1739 North Twenty-sixth street, Philadelphia.

Shop and Candy Manufacturing Building, South Lansdowne avenue, Lansdowne, Pa. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owners, C. W. Tindall Co., on premises. Brick, 2 stories, 20x91 feet, slate, slag roof, maple, pine and mineral floors, cement work, leaded glass, metal partition. Contract awarded Adolph Korn, Lansdowne, Pa.

Office Building, Norristown, Pa. Architect, private plans. Owners, Philadelphia Suburban Counties Gas & Electric Co., Norristown, Pa. Brick, 3 stories and basement, 60x100 feet, slag roof, pine floors. Contract awarded U. G. I. Contracting Co., Broad and Arch streets, Philadelphia. Plans in progress.

Residence and Garage, Eden, Lancaster County, Pa. Architect, G. Edwin Brumbaugh, Real Estate Trust Building, Philadelphia.

Owner, H. B. Hostetter, Lancaster, Pa. Stone, 2½ stories, 98x32 feet, hardwood and cement floors, electric light. Contract awarded Herman Wohlsen, Lancaster, Pa.

New Jersey Construction News

Armory, 706 Bergen avenue, Jersey City, N. J. Architect, J. O. Hunt, Hunt Building, Trenton, N. J. Owners, State Armory Board, care of Colonel D. S. Hill, State House, Trenton, N. J. Stone, 2 stories, slate roof. Preliminary sketches in progress.

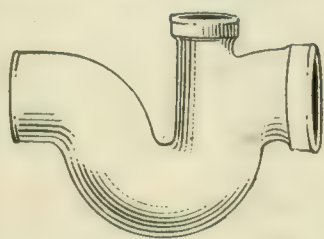
Theatre and 4 Stores, Ninth and Boardwalk, Ocean City, N. J. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owner, William F. Shriver, Ocean City, N. J. Brick, steel, architectural terra cotta, 1 story, balcony and basement, 101x275 feet, slag roof, cement floors, steam heat, electric light, metal lath, tile work, bond, ornamental iron work. Plans in progress.

Residence, 1109 DuPont street, Camden, N. J., \$3,500. Architect, private plans. Owner, Adolph Andrews, 1164 North Twenty-seventh street, Camden, N. J. Block, 2 stories, 13x44 feet, slag roof, warm air heat, electric light. Permit issued.

Nurses' Home, State Hospital, Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Low bidders: General Contracting & Construction Co., First National Bank Building, Trenton, N. J., \$108,000.

Disturbed Patients' Building (reconstruction), Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Lowest bidders: Karno-Smith Const. Co., Broad Street Bank Building, Trenton, N. J., \$167,000.

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.



**Prompt Service and Intelligent
Co-operation in supplying**

FLUE LINING, WALL COPING, SEWER PIPE

CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen

27th and Diamond Streets, Philadelphia

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

New Jersey Contracts Awarded

Viaduct, Section 13, Route 1 Extension, Contract 7, Newark, N. J. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Embankment, concrete, structural steel, granite block pavement. Contract awarded O'Neill Co., 127 East Mermaid lane, Philadelphia, \$947,415.40.

Shower Baths and Piping, Morris Plains, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Contract awarded Storgis Brothers, Moorestown, N. J.

Building (alts.), 311 Cooper street, Camden, N. J., \$6,000. Architect, Howard Hall, Merchantville, N. J. Owners, Segwyn Realty Co., 449 Atlantic avenue, Camden, N. J. New brick front, 3 stories. Contract awarded M. W. Cooperson Co., 550 Federal street, Camden, N. J.

Store and Residence (add.), 822 South Fifth street, Camden, N. J., \$4,000. Architect, private plans. Owner, Anthony Loscalzo, 1114 South Fourth street, Camden, N. J. Brick, 2 stories, 1 story, 22x24 feet, second story, 22x53 feet. Contract awarded Joseph Grassi, 1114 South Fourth street, Philadelphia.

Building (alts.), Camden, N. J., \$50,000. Owners, American Radiator Co., Twenty-fifth and Reed streets, Philadelphia. Cement floors and reinforced concrete crane foundations. Contract awarded E. R. Moorehouse, Camden, N. J.

Sewer, Magnolia, N. J. Engineer, J. J. Albertson, Camden, N. J. Owners, Borough of Magnolia, O. A. Hagan, Magnolia, N. J. Contract awarded Sabio Mattazza, Camden, N. J., \$5,810.85.

Miscellaneous Construction News

Memorial to the Women of the World War, E street, between Seventeenth and Eighteenth, N. W., Washington, D. C. Architects, Trowbridge & Livingston, 527 Fifth avenue, New York. Owners, Office of Public Buildings and Parks of National Capitol, Navy Building, Washington, D. C. Concrete piles, reinforced concrete, structural steel, brick work, architectural terra cotta, marble and granite, waterproofing (membrane), sheet metal work, tile roof, slag roof, ventilators, copper roofing, elevator, metal lath, plastering, ornamental iron work, bronze work, iron stairs, area gratings, kalamein doors, hollow metal doors, composition tile floors, painting, glazing, macadam work, oak floors, bronze sash, hot water heat, plumbing, electric work, bond, 3 stories and basement, 118x59 feet. Certified check, \$100. Owners taking bids due December 1st, 11 A. M.

Barn (alts.), Penn avenue, Wilmington, Del. Architect, C. R. Hope, DuPont Building, Wilmington, Del. Owner, Mrs. H. S. Meads, Jr., Penn avenue, Wilmington, Del. Brick, stone, barn equipment, general alterations. Architect taking bids due November 25th.

Public School, Gumboro, Sussex County, Del. Owners, State School Building Commission, George S. Williams, Chairman, Dover, Del. Lowest bidder: Farmville Mfg. Co., Farmville, Va., \$83,660.

Public School, Millsboro, Sussex County, Del. Owners, State School Building Commission, George S. Williams, Chairman, Dover, Del. Lowest bidders: Farmville Mfg. Co., Farmville, Va., \$24,800.

Residences (5), Twenty-ninth and Washington streets, Wilmington, Del., \$25,000. Architect, private plans. Owner, Luigi Fortunato, 1710 West Ninth street, Wilmington, Del. Brick, 2 seeries, 19x20 feet, 8x11 feet, slag roof, hardwood floors, hot water heat, electric light. Permit issued.

Lunch Car, Tenth and Tatnall streets, Wilmington, Del., \$12,000. Architect, private plans. Owner, R. J. Trexler, 900 Anderson avenue, Drexel Hill, Pa. Steel, 10 feet 6 inches x 40 feet. Permit issued.

Residences (2), DuPont street, Wilmington, Del., \$7,000. Architect, private plans. Owner, E. P. Hendrix, Gordon Heights, Edgewater, Del. Brick, 2 stories, 14x46 feet, slag roof, pine floors, hot air heat, electric light. Permit issued.

THE BUILDING SITUATION

There has been a general decrease in building activity over the country during the present year. This is by no means an unhealthy sign, nor should it tend to pessimism as to the future outlook. The volume of new work is large enough to prevent any serious amount of unemployment; and there continues to be a great demand for better housing. Any idea of overbuilding may be discounted by a review of facts and figures; the normal growth of population and business requires not only more accommodation, but it requires it of higher quality. This involves a considerable amount of reconstruction, repairs, improvements.

A statement issued by a leading bond and mortgage company puts this in a convincing way:

"There is a great force at work today which has gained surprising velocity since the war. This is the force which makes us continually better our standards of liv-

ing. The greatest accelerator of this force is advertising. Advertising makes us want better bathrooms; better kitchens; better heating plants; better furniture;

**Get our Estimate when
Planning to Build
Especially in New Jersey**

WM. C. MAGEE
*Contractor and
Builder*

**315 Cattell Avenue
West Collingswood, N. J.**

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

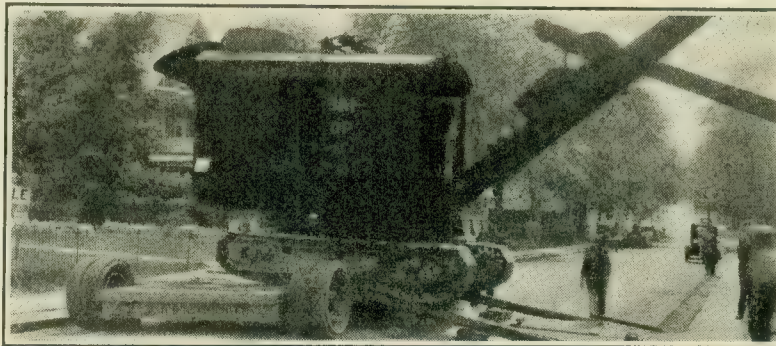
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

**BELL PHONE
CAMDEN 5686 R**

HEAVY TRAILERS FOR HIRE



**Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.**

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

**GENERAL
CONTRACTING CO.**

**68th Street and Greenway Avenue
Woodland 8862**

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

**SURETY
BONDS**

KEYSTONE, CAMDEN 3147

better radios; pianos; foods, and so on, through the whole gamut of the luxuries and necessities which make up the framework of modern living. Advertising in turn keeps business active. It stabilizes demand and continually forces the producer of merchandise to keep alert to maintaining the standard of his product at the highest possible point.

Those who believe that we may by some black magic of the mysterious arts return to the lower standards of living of fifteen or twenty years ago do not take into account the changes which have come over business during the past decade—even some laws of economies have suffered change.

"The general prosperity which is now in full view must of necessity affect favorably the entire population. This condition of course makes an increasing demand for new housing, better working conditions, greater office space."—*Pacific Coast Architect*.

PLASTER TO BE MADE SOUND ABSORBENT

Work is under way at the Bureau of Standards, Washington, to develop a sound-absorbing plaster for use in auditoriums, to prevent the excessive reverberation often produced in such rooms by the high reflecting power of ordinary plasters. It is considered that for this purpose the surface should absorb 10 to 15 per cent. of the incident sound. Plasters made with porous aggregate, such as pumice, are already available, but they present mechanical difficulties in application and require very careful workmanship. It has been found, however, that by mixing small amounts of alum and a carbonate, such as lime carbonate, with the dry mixture of calcined gypsum and sand, an easy working plaster having the desired surface porosity is obtained. When the plaster is wet, the alum and carbonate form carbon dioxide, which produces many small bubbles of gas in the plaster. Various fine aggregates have been tried; up to the present pumice, calcined diatomaceous earth and tufa give the best results.

ROUGH FINISHES DOMINATE IN EXPOSED SURFACES

Architects are finding that the rough, common brick lends itself most satisfactorily to such effects in home construction

Rough finish is the dominant note today in nearly all architectural and interior finish treatments where the materials retain their natural surfaces in exposure. The plastered wall today looks as if the children had finished the job. The brick wall is more often than otherwise either

skintled or semi-skintled. The slate roof shows broken corners and uneven thicknesses of slate. The timbers in the brickwork and in the stucco show the marks of the adze instead of the smoothness of the plane, and the stucco itself might just have been thrown against the wall and stuck.

Mechanical exactness no longer appeals either in the materials or the workmanship. Bricklayers still use a line and a plumb bob, but the inside of the wall just as often as otherwise is the one to which they are applied. Skintled brickwork is responsible.

Common brick with all their unevenness frequently have to make way for their former castoff brothers, the clinker brick. Architects the country over are pleasing the most aesthetic home builder with common brick, combined with timbered effects in stucco and heavy hand hewn timbers, casement windows, occasional stone trimmings and heavy, irregular slates for the roofs. Such a combination is irresistible.

MERCHANTS INTRODUCE AUTOMARKET FOR WOMEN

Shoppers May Drive Through Stores and Buy—Control Air Conditions

Housewives in many cities may now shop for everything from dry goods to groceries and meats without leaving the steering wheel of the family car.

This has been made possible by recent advances in the science of made-to-order weather and the development of an ingenious new type of grocery and department store known as the "Automarket." There is no need to fear carbon monoxide or poor air conditions, as powerful ventilating fans, similar to those used in any efficiently managed public school or theatre, change the air every minute. Vitiating air is mechanically exhausted and a new supply brought in and washed or filtered before it is distributed to all parts of the building.

When the shopper reaches the Automarket, she drives through the right door of the store, circles around at her pleasure on special aisles lined on each side with counters of merchandise displayed on revolving shelves, buys what she wants and drives out through another door when she is through. Besides solving the parking problem in congested cities, the system has the further advantage of bringing producer and consumer directly together, its proponents assert. And cumbersome bundles thus may be tossed directly into the car and taken home.

Enterprising merchants in many cities, however, have introduced various methods to facilitate shopping. Some offer free parking service in large public garages near their stores. Others employ

special drivers to park cars for women shoppers. Many others make shopping conditions within their stores as attractive as possible to meet competitive conditions.

Managers of important chain store systems are emphasizing the box office appeal of comfortable and healthful air conditions in stores because American women are conscious of good air as never before. They have found that there is a direct relation between volume of sales, efficiency of employees, the attitude of the public and air conditions. Vitiating air with disagreeable odors must be carried out and a new supply of clean, humidified air pumped in. That's why progressive merchants are using cooling systems as much as theatres for the warm seasons. They have found that the ventilating fan can be translated into terms of the sales slip and the cash register, the merchandising experts declare.

An old legend tells of a magician's vase; the magician could get out of it only that which he put in. Advertising is just that. If you don't get into it the "kick" of salesmanship, it is going to miss by just that much the pulling power it ought to have.

Advertising is telling who you are, where you are, and what you have to offer the world in the way of service or commodity.

If nobody knows who you are, or what you have to offer, you do no business, and the world is the loser through giving you absent treatment.

Life is too short for the consumer to employ detectives to ferret out merchants who have the necessities of life to sell.

When you stop to consider that the Guide reaches every week and is read by architects, builders, building owners, contractors and sub-bidders in every branch of building construction, you must perceive its unique importance as a medium for advertising with an appeal to that class. Every copy reaches a live prospect.

REVIEW SURVEY OF SINGLE DWELLINGS IN PHILADELPHIA UNDER PERMIT DURING 1924, 1925, 1926

"New single dwellings in Philadelphia are being absorbed by buyers and renters at a more rapid rate than previous surveys have indicated" is the statement made by the Philadelphia Housing Association based on a survey of over 27,000 houses constructed during the past three years. These dwellings were all one family, brick and stone, in operations of four or more. The smaller jobs of permits of less than four were so scattered that the Association deemed it unwise to include them in the study.

Directory of Architectural and Building Trades of Philadelphia 1928

NOW BEING COMPILED AND WILL GO TO
PRESS SOON AND BE IN HANDS OF
ARCHITECTURAL AND BUILDING
TRADES EARLY IN 1928

To be sure your correct address and Bell and
Keystone phone numbers are properly
listed advise us at once of any changes.

To continuously and effectively focus attention
on your products and service, if you serve
Architects and the Building Trades, do
not overlook the Directory of the Architec-
tural and Building Trades of Philadelphia.

Advertising Rates on Application.

Building News Publishing Co.

1530 CHESTNUT STREET

PHILADELPHIA, PA.

Race 6108-7109

Rittenhouse 9771-2

This survey showed that on September first, over three-fourths of all such new housing occupied by either buyers or renters, and the remaining 23.5% was vacant.

30721 Dwellings Planned During Three Years

Permits issued for new housing of this type during the years 1924, 1925, and 1926 showed plans for 30721 single dwellings. The Association's investigators visited 27034 of these, and found 26059 completed, and of this number all but 6028 were occupied.

If this ratio prevails through the entire city, it appears that of the total number planned during the last three years, less than 22% are now unoccupied and there are only 1125 houses where construction has not been completed.

Indicates Wholesome Situation

This survey reveals a more wholesome situation than has been indicated by the annual studies which the Association has made at the close of each of the past five years, and points to a slow but steady absorption of the new dwellings being placed on the market. This is shown by contrasting the figures for the three-year period with the results of the survey made at the close of 1926, which covered only the dwellings under permit during that year. The study for this period showed about 50% of the total accommodations completed and less than 25% occupied. The results of the three-year survey made nine months after the 1926 study show that 89.8% of the houses under permit during that year are now completed and 50% occupied; the 1925 construction now

shows 97.9% completed and 78.3% occupied; and the 1924 constructions now shows 99.1% completed and 88.7% occupied.

Richmond and Bridesburg Have Highest Record of Completion but Low Record of Occupancy

Richmond, Bridesburg, Roxborough and Manayunk have the highest records of completion of all sections in the city, i. e., 100%, while the central city has the lowest, 85%.

Central West Philadelphia with 91% shows the greatest number occupied, with Manayunk and Roxborough (88%) following.

The poorest records of occupancy are found in Lawndale and Somerton, 54%, with the next lowest in Richmond and Bridesburg.

Completion and Occupancy Summary

Brick and Stone Dwellings under Construction Permit 1924, 1925, 1926

Survey of September 1, 1927.

Year	Number Under Permit	Number Compl.	Number Occupied	% of houses under permit compl.	% of houses under permit occupied	% of compl. houses occupied	% of Vacant houses including compl. & uncompl.	% of Vacant houses of compl. construction	% of Vacant houses of compl. construction
1924	9608	9603	8528	99.1	88.7	88.8	1080	1075	11.2
1925	12598	12344	9868	97.9	78.3	79.9	2730	2476	20.1
1926	8515	7649	4263	89.8	50.0	55.7	4252	3386	44.3
Total	30721	29596	22659	96.3	73.7	76.5	8062	6937	23.5

Summary by Districts

Brick and Stone Dwellings

Three Year Period—Completion—Occupancy

1924—1925—1926

Dist.	Number under Permit	Number Compl.	Number Occupied	Number Compl. now Vacant	No. of compl. and uncompl. now vacant	% of houses under permit compl.	% of houses under permit occupied	% of houses compl. occupied	Districts by Wards
1	354	303	246	57	108	85.6	69.5	81.1	Central 2-20, 28-32, 47
2	1505	1447	1002	445	503	96.1	66.5	69.2	South 1, 26, 36, 39, 48
3	654	654	413	241	241	100.	63.1	63.1	25, 45 Richmond, Bridesburg
4	1949	1905	1682	223	267	97.7	86.3	88.2	23 Frankford
5	2449	2273	1564	709	885	92.8	63.8	68.8	41 Wissinoming, Tacony, Holmesburg
6	4705	4486	2576	1910	2129	95.3	54.7	57.4	35 Lawndale, Somerton
7	7601	7490	6181	1309	1420	98.5	81.3	82.5	42, Olney, Logan, Oak Lane
8	1824	1759	1310	449	514	96.4	71.8	74.4	33, 38, 43, N. Tioga Falls
9	2672	2438	1893	545	779	81.2	78.4	77.6	22 Germantown
10	519	519	457	62	62	100.	88.0	88.0	21 Roxborough, Manayunk
11	2186	2147	1685	462	501	98.2	77.0	78.4	34 Overbrook
12	401	389	368	21	33	97.0	91.7	94.6	24, 27, 44, 46 Central W. Phila.
13	3902	3786	3282	504	620	97.0	84.1	86.6	40 S. W. Phila.
Total	30721	29596	22659	6937	8062	96.3	73.7	76.5	

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co. 1320 Race St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Builders Specialty Co., Inc. 1844 N. Front St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co. 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.
Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.
Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co. 1320 Race St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.
Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.
John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tullip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD. COMPO BOARD

Ketcham, Howard 3rd and Girard Ave., Phila.

WALLBOARD

Pearce Fireproof Co. 1911 N. 2nd St., Phila.
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

WALL COPING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

WATER HEATERS

Fleck Bros. Co. 50



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

BUILDERS' RISKS ARE MANY
but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

**Insurance Company of
North America**

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

**"ANTI-HYDRO" Keeps
this Huge Warehouse
Dry**



UNIT C, ARMY SUPPLY DEPOT, CHICAGO, ILL.

The concrete foundations of this enormous Army Supply Depot are waterproofed with "ANTI-HYDRO." The interior of the building is always dry.

"ANTI-HYDRO" was chosen for this job because "ANTI-HYDRO" results are known to be *permanent*. Twenty-three years of continuous use have proved that "ANTI-HYDRO" is the one dependable concrete hardener and waterproofer.

Being a liquid integral agent, "ANTI-HYDRO" mixes easily with the gauging water—any unskilled laborer can do it. It permeates the entire mass, producing uniformly hard and waterproof concrete *through and through*, instead of a thin surface coating. Use "ANTI-HYDRO" on your next job and see how economically you can produce permanent concrete.

ANTI-HYDRO WATERPROOFING COMPANY
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR

BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.

TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 48
November 30, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks

"P. G." Stucco

All Sizes

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

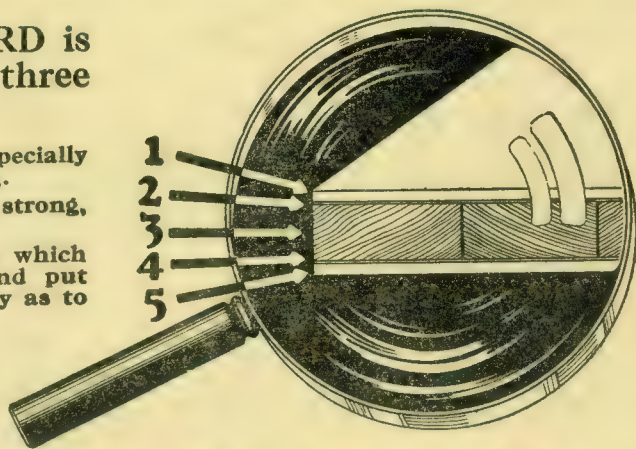
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent.

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered right to your job by trucks is a time and money saving method being adopted by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

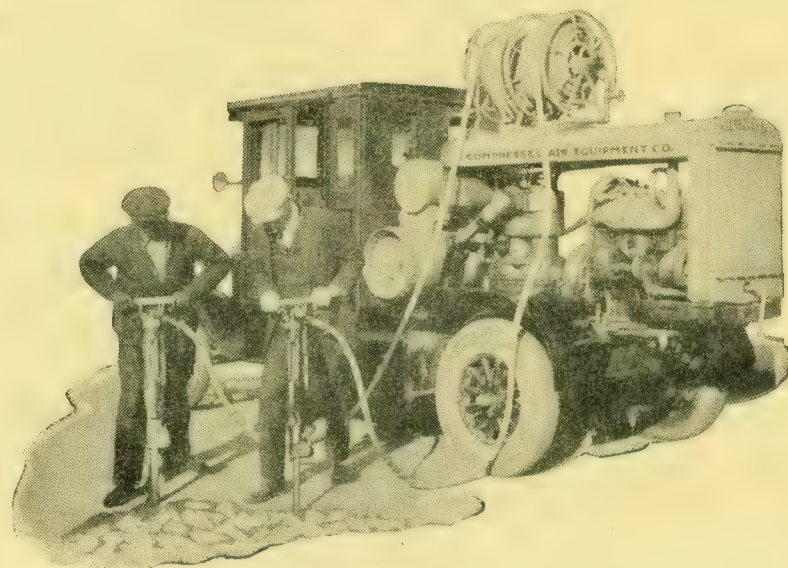
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Pennypacker 9540

Keystone-Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by *Welsbach*

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

DAILY BUILDING NEWS

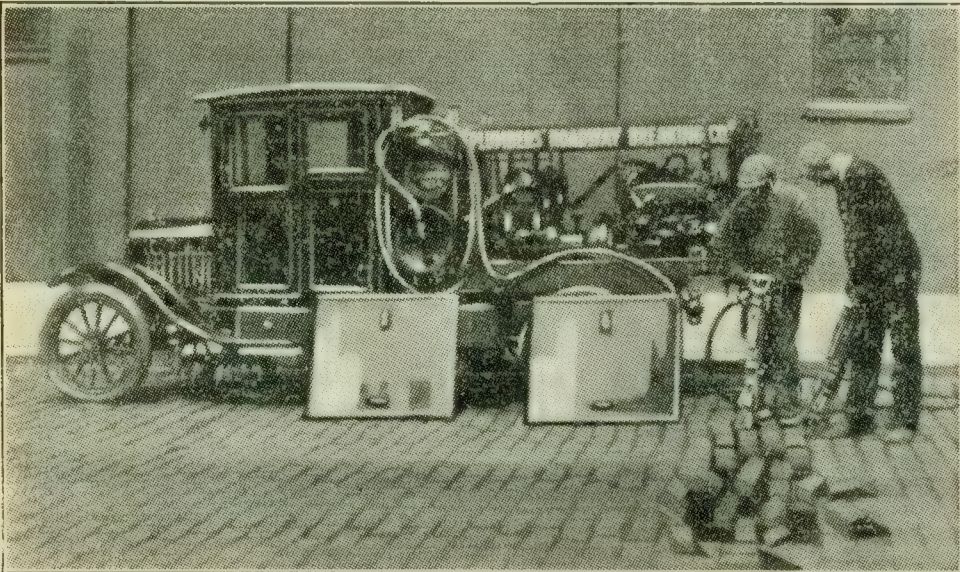
Leads to More Business

You Can Easily See How
By Following Every Morning

Daily Building News

1530 CHESTNUT STREET
PHILADELPHIA

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

MILLWORK AND LUMBER

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets
"K" Street and Nicetown Lane
Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

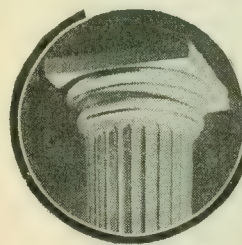
East 7785

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH**

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

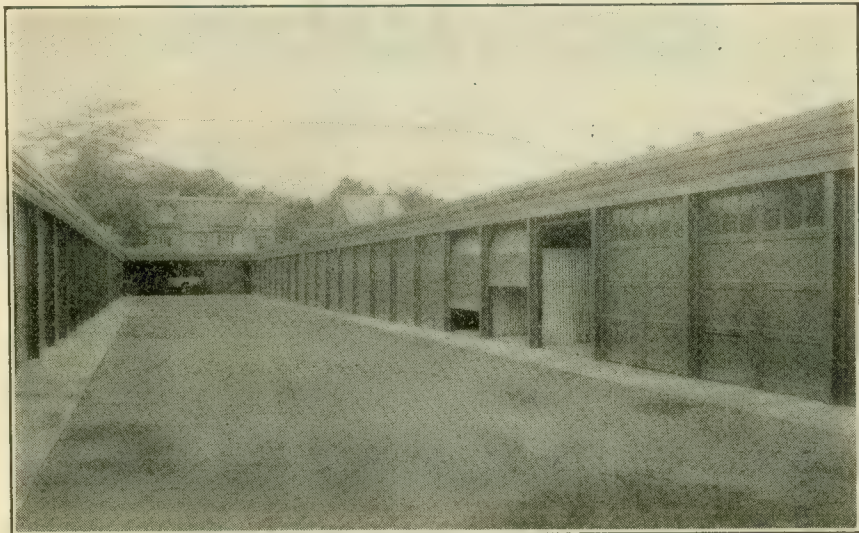
BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



78 Garages, Owned by Victor Levand
Catrokee and Pomona Streets, Germantown
Equipped with Overhead Doors, 26 of which Are of
the Latest Type

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything

for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

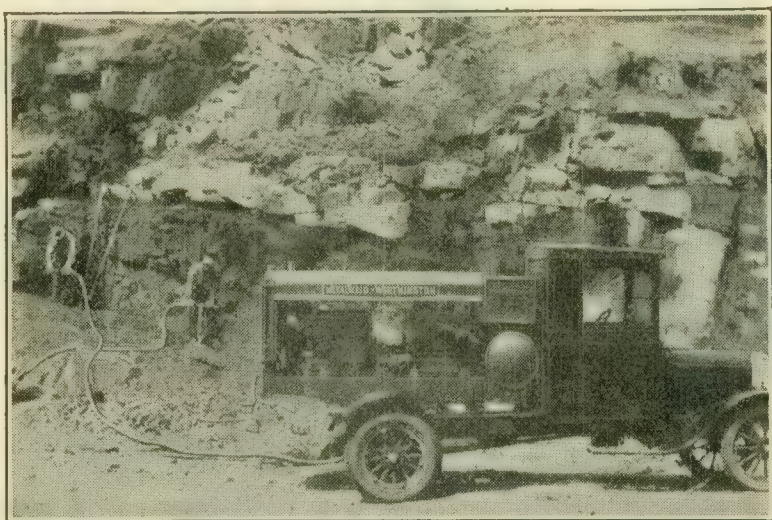
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING
DEMOLISHING

PAVING BREAKING
RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIoga 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 48

PHILADELPHIA
November 30, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.
1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Residence and Garage, Cor. Mt. Pleasant and Greene streets, Phila., \$35,000. Architect, W. K. Henkels, Washington Lane and Wayne avenue, Philadelphia. Owner, Samuel Moyerman, Lincoln Building, Philadelphia. Stone, 2 stories, hot water heat, electric light, tile work, slate roof, hardwood floors, cement work. Owner taking bids.

Theatre (alts. and add.), 70th and Elmwood avenue, Phila. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Phila. Owners, Weiss Brothers, on premises. General alterations. Plans in progress. Ready for bids in one week.

Building, 120-22 N. 7th street, Phila. Architect, Max A. Bernhardt, 127 S. 18th street, Phila. Owner, Southern Bookbinding Co., on premises. Brick, steel, concrete, 10 stories and basement, 64x67 feet, slag roof, cement floors, electric light, steam heat, metal lath. Architect taking bids due Dec. 12th.

Bank (alts and add.), Corskey and Chestnut streets, Phila. Architect, William L. Charr, Victory Building, Phila. Owner, Lafayette Title & Trust Co., care of architect. Brick, 1 story, 48x52 feet, electric light, metal lath, tile and marble work hollow metal and kalamoin doors, bank fixtures, bond, ornamental iron work, soundproofing, bronze work, metal window guards, tile roof. Plans in progress.

Parochial School (add.), Wanamaker street, near Lansdowne avenue. Architect, F. V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, D. Cardinal Dougherty, Eighteenth and Summer streets, Philadelphia,

and St. Rose of Lima, Rev. J. M. Borne, on premises. Foxcroft stone, limestone, 3 stories and basement, 60x72 feet. Basement, swimming pool, basketball court, lockers, showers, maple floors, balcony seating 1,200. First floor, renovation of present first floor. Second and third floors, class rooms, fire doors, water-proofing and dampproofing, tile and terrazzo work, maple floors (plumbing, vapor heat, electric light and fixtures reserved). Plans in progress.

Rectory, Fifty-eighth and Lansdowne avenue, Philadelphia. Architect, F. V. Nickels, 15 South Twenty-first street, Philadelphia. Owner, D. Cardinal Dougherty, Eighteenth and Summer streets, Philadelphia, and St. Rose of Lima, Rev. J. M. Borne, on premises. Foxcroft stone, limestone, 3 stories, 42x78 feet, slate roof, oak and maple floors, rubber-tile floors, electric light, tile, marble and terrazzo floors, metal lath, steel sash, architectural iron work, copper screens, Roddis doors, leaded glass, dampproofing, sanionyx partitions, hollow tile, glazed brick, slate work (plumbing, vapor heat, electric light and fixtures, kitchen and laundry equipment, cabinet work, painting, shrubbery reserved). Plans in progress. Will be ready for bids in 3 weeks.

Restaurant Building, Kensington avenue and Allegheny avenue, Philadelphia. Owners, Horn & Hardart Co., 204 South Warnock street, Philadelphia. Size of lot 47x154 feet. Work contemplated.

Restaurant Building, 1225-27 Arch street.

Owners, Horn & Hardart Co., 204 South Warnock street, Philadelphia. Size of lot 43x120 feet. Work contemplated.

Bridge, Tacony, Philadelphia to Palmyra, N. J. Engineer, Ralph Modjeski, Widener Building, Philadelphia. Owners, care of Tacony-Palmyra Ferry Co., E. G. Borer, River-ton, New Jersey. Concrete, stone, steel, slab, 64 feet above high water, 540 feet main span, 520 feet clearance between piers, double leaf bascula span 250 feet between piers, 6 spans 250 feet each on each side of river, roadway 38 feet, 9 feet each tier, sidewalks 4 feet 6 inches. Plans in progress.

Theatre, Bank, Stores (8) and Arcade, Germantown and Hunting Park avenues, Philadelphia, \$500,000. Architect, Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, All-Ken Co., care of architect. Indiana limestone, steel, brick, concrete, size irregular, composition roof, vapor heat, electric light, ornamental plaster, painting, plumbing, ventilating, dance hall, billiard room, seating capacity 2,200. Architect will be ready for bids in one month.

Apartment House, Northeast Corner Forty-seventh and Aspen streets, Philadelphia. Architect, Edwin L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, Samuel Green, 916 North Sixth street, Philadelphia. Brick, limestone, steel, 4 stories and basement, slag roof, oak, pine and cement floors, steam heat, electric light, metal lath, tile work, brass pipe, two additional units. Owner taking sub-bids.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

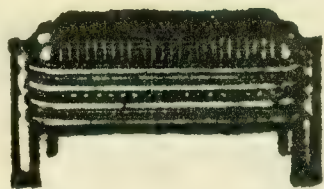
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

REPUBLIC BRASS

"Standard"
Enamelware

**PAYNE PIPELESS
FURNACE**

Fleck Bros. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

Poplar 8660

Race 9886

**HARRY A. WHARTENBY
IRON, STEEL, BRONZE**

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

**HIGH GRADE
ORNAMENTAL IRON WORK
KERLOW STEEL GRATINGS**

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Alterations and Addition, 1238-44 Belmont avenue, Philadelphia. Architect, E. H. Poggi, Equitable Building, Philadelphia. Owners, York Ice Machinery Corp., on premises. Revised plans in progress. Architect will be ready for bids in one month.

Y. W. C. A., 5600 block, Chestnut street, Philadelphia. Owners, Y. W. C. A., Mrs. Charles Hendricks, 1400 West Wyoming avenue. Will contain swimming pool, gymnasium, club rooms, auditorium. Site selected. Work contemplated.

Bank and Office Building, Thirty-sixth and Walnut streets. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owners, West Philadelphia Title & Trust Co., Fortieth and Lancaster avenue. Brick, limestone, 2 stories, 28x112 feet. Plans in progress. Preliminary plans in progress. Metzger, Fisher & White, Otis Building, Philadelphia, will build.

Public School, Shawmont, Eva and Silverwood streets, Philadelphia. Architect, I. T. Catherine, Nineteenth and Chestnut streets, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, 3 stories and basement, 162x127 feet, slag roof (plumbing, heating, electric separate), maple, pine and cement floors, safety treads, waterproofing and dampproofing, metal lath, tile work, marble work, bond, ornamental iron work. Owners taking bids due December 6th.

Alterations, 622-24 West Girard avenue, Philadelphia. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, William Stern, on premises. Brick, steel, steam heat, electric light, metal lath, tile and marble work, new front, metal bulks, painting and cement work, slag roof, hardware, plumbing, sprinkler. Architect taking bids.

Store (add.), 21 East Cheltenham avenue, Philadelphia. Architect, private plans. Owners, Atlas Furniture Co., on premises. Brick, 3 story add., 20x36 feet, carpentry and mill work, plastering, electric light. Owners taking bids.

Residence, Phil-Elena street, Germantown, Philadelphia. Architect, Ralph White, Pennsylvania Building, Philadelphia. Owner, name withheld. Stone, steel, 2½ stories and basement, slate roof, oak, pine and cement floors, plumbing, painting, glazing, screens, hot water heat, electric light, metal lath, tile work, bond, ornamental iron work. Architect taking bids due December 3rd.

Store and Apartment (alts. and add.), Oxford and Paul streets, Philadelphia. Architect, G. Harold Murphy, 1013 Harrison street, Philadelphia. Owner, William Freihofer, Twentieth and Indiana avenue, Philadelphia. Brick, steel, 2 stories and basement, 99x99 feet, slag roof, oak and pine floors, metal lath, tile work, bond, ornamental iron work.

Architect taking revised bids due as soon as possible.

Stores (2) and Offices, 38 Maplewood avenue, Germantown. Architect, Robert Gill, 5600 Germantown avenue, Philadelphia. Owner, Samuel Emlen, 5600 Germantown avenue, Philadelphia. Brick, steel, 2 stories and basement, 27x60 feet, slag roof, oak, pine and cement floors, metal lath, bond, iron work. Architect taking bids due December 3rd.

Residences (23), West side Ashmead street, North of Magnolia street, Philadelphia, \$69,000. Architect, private plans. Owner, B. Leibman, 1015 Wingohocking street, Philadelphia. Brick, 2 stories, 15x34 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (12), West side M street, North of Luzerne street, Philadelphia, \$48,000. Architect, private plans. Owner, Townsend B. Young, M and Luzerne streets, Philadelphia. Brick, 2 stories, 15x28 feet, 11x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (4), North side Afton street, West of Bustleton avenue, Philadelphia, \$16,000. Architect, private plans. Owner, Harry Perlman, 1225 Cottman street, Philadelphia. Brick, 2 stories, 14 feet 6 inches x 40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (79), North and South sides St. Vincent street, East of Crispin street, Philadelphia, \$278,500. Architect, private plans. Owners, Finestone & Mittelman, 514 East Roosevelt Boulevard, Philadelphia. Brick, 2 stories, 15 feet 9 inches x 42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (16), West side Colgate street, South of Cheltenham avenue, \$50,000. Architect, private plans. Owner, David Meltzer, 6712 North Eighteenth street, Philadelphia. Brick, 2 stories, slag roof, pine floors, electric light. Permit issued.

Residence, East side Forrest avenue, North of Upsal street, Philadelphia, \$3,000. Architect, private plans. Owner, Palmer Rossi, 6311 Wister street, Philadelphia. Brick, 2 stories, 16x36 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Garage, East side Philip street, South of Snyder avenue, Philadelphia, \$9,500. Architect, private plans. Owners, Morganthaler Brothers, on premises. Brick, 1 story, 33x83 feet, slag roof, cement floors, electric light. Permit issued.

Manufacturing Building, South side Chew street, East of Hammond street, \$5,000. Architect, private plans. Owners, Heintz Manufacturing Co., Front and Olney avenue, Philadelphia.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

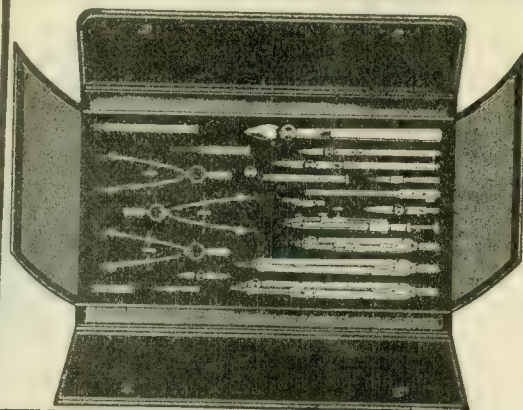
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED—Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

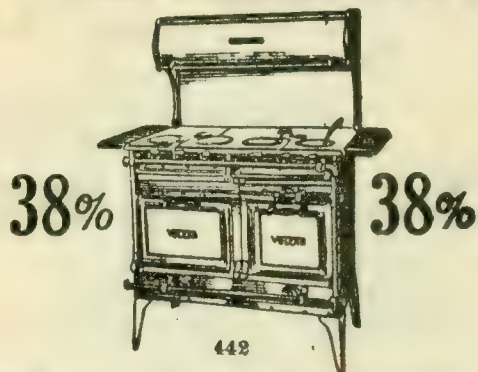
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

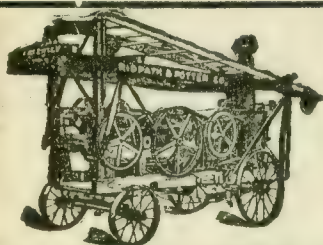
VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.

64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water

Test Borings and Soundings

Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.

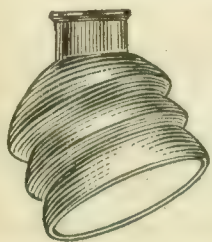


You Can't Buy Better—Let Us Prove It

Hamiltile

RUBBER FLOORS

THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT
Show-Window
REFLECTORS**

Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

delphia. Iron on iron, 1 story, 58 feet 8 inches x 51 feet. Permit issued.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Owners taking bids due December 6th. Certified check, 5 per cent. No. 907, furnish and deliver single nozzle

fire hydrants. No. 908, furnish and deliver 30-inch pipe and connections in Belmont filter.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall. Owners taking bids due December 5th at noon. Canvas covers, casings.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Apartment House, 3915-17 Spruce street, Philadelphia. Engineer, Max Haupt, 901 Walnut street, Philadelphia. Owner, J. T. Ryan, care of architect. Brick, steel, 3 stories, 75x60 feet, slag roof, oak and pine floors, steam heat, electric light, metal lath, tile work, bond, iron work. Contract awarded Weiss Const. Co., 901 Walnut street, Philadelphia.

Garage, Rochelle street, East of Wissahickon avenue, Philadelphia. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owners, Goldstein Brothers, care of architect. Brick, steel, 1 story, 215x103 feet, wing 240x115 feet, slag roof, cement floors, plumbing, steam heat, electric light, rolled steel sash, ornamental iron work. Contract awarded L. Rosengarten, Otis Building, Philadelphia.

Bank Building, Northeast Corner Broad and Stiles streets, Philadelphia. Architects, Eric Fisher Wood, Pittsburgh, Pa.; Ritter & Shay, Packard Building, Philadelphia. Owners, Broad Street Trust Company, Twelfth and Arch streets, S. E. Kraus, Juniper and Walnut streets, Philadelphia. Brick, cut stone, granite, steel, 4 stories and basement, 160x77 feet, composition roof, cement floors, hollow tile, elevators, plumbing, waterproofing and dampproofing, steam heat, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, bond, iron stairs, casement windows, ornamental iron work, iron pipe, pneumatic tube system. Contract awarded Murphy-Quigley Co., 1518 Sansom street.

Amberol Manufacturing Building, Richmond and Kennedy streets, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Charles Lennig Co., on premises. Brick, reinforced concrete, steel, 3 stories, 1 story and basement, 45x91 feet, gypsum roof, cement floors, hollow tile, roof ventilators, steam heat, electric light, rolled steel sash and skylights, fire and hollow metal doors, ornamental iron work, iron pipe, metal partitions,

plumbing, rolled steel shutters. Contract awarded A. Raymond Raff, 1635 Thompson street, Philadelphia. Elevators, Otis Elevator Co., Otis Building, Philadelphia.

Stores (3) and Apartments, 5311-15 Oxford pike, Philadelphia. Architect, Benjamin Brown, Guarantee Trust Building, Atlantic City, N. J. Owners, A. H. & S. R. Lazowick, Real Estate Trust Building, Philadelphia. Brick, steel, 2 stories and basement, 48x50 feet, slag roof, pine and cement floors, hot water heat, electric light. Contract awarded Weiss Const. Co., 901 Walnut street, Philadelphia.

Church, Sixty-first and Columbia avenue, Philadelphia. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owners, St. John's Evangelical Lutheran Church, W. A. Keller, Thirteenth and Lehigh avenue, Philadelphia. Plans in progress. Contract awarded to A. Raymond Raff Contg. Co., 1635 West Thompson street, Philadelphia.

Bank (alts. and add.), 1505 Walnut street, Philadelphia. Architects, Weary & Alford Co., Chicago, Ill. Owners, City National Bank & Trust Co., 1505 Walnut street. Interior alterations, first floor and basement. Contract awarded John Schnabel, Inc., Thirteenth and Chestnut streets.

Stores (3), Apartments (4), Northeast Corner Fifteenth and Lombard streets, Philadelphia. Architect, C. M. Wells, Rutledge, Pa. Owner, J. T. Gibson, Gibson Theatre, Broad and Lombard streets. Brick, steel, 2 stories, 16x67 feet, slag roof, oak floors, hot water heat, electric light. Contract awarded E. C. Durrell, 1713 North Twenty-fourth street, Philadelphia.

Stores (2) and Apartments, Northeast Corner Sixty-third and Haverford avenue, \$6,500. Architect, R. M. Dippy, Medical Arts Building, Philadelphia. Owner, C. C. H. Kirlin, 544 North Sixty-third street, Philadelphia. Brick, stucco, 2 stories and basement, 20x20 feet add., Barrett roof, cement and

Belfi Bros. & Co.

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

pine floors, carpentry, mill work, plumbing, tile work, hot water heat, electric light, skylights. Contract awarded MacVaugh Const. Co., 6134 Market street, Philadelphia.

Tank, Bigler street and Delaware River, Philadelphia, \$6,700. Owners, Publicker Commercial Alcohol Co., on premises. 100,000-gallon capacity. Contract awarded Chicago B. & I. Co., 30 Church street, New York.

Residence and Store (add.), 534 Rising Sun avenue, Philadelphia, \$3,000. Architect, private plans. Owner, Rocco Brunan, on premises. Brick, 2 stories add., 12x18 feet. Contract awarded to T. Merritt, 3835 North Thirteenth street, Philadelphia.

Residence and Store (alts.), 3653 Woodland avenue, Philadelphia, \$2,000. Architect, private plans. Owner, George Gommersand, on premises. General alterations. Contract awarded Harry Kramer, 5000 North Seventh street, Philadelphia.

Residences (2), East side Charles street, North of Unruh street, Philadelphia, \$10,000. Architect, private plans. Owner, D. A. Pongitore, 4243 Frankford avenue, Philadelphia. Brick and stone, 2 stories, 17 feet 3 inches x 44 feet, hot water heat, electric light, hardwood and pine floors. Contract awarded Tony Palmo, 8210 Torresdale avenue, Philadelphia.

Residences (5), East side Frankford avenue, North of St. Vincent street, Philadelphia, \$30,000. Architect, private plans. Owner, Isaac Kamens, 6514 North Eighth street, Philadelphia. Brick, 2 stories, 16x44 feet, 13x10 feet, slag roof, hardwood and pine floors, electric light. Contract awarded Jacob M. Shinkman, 1713 Sixty-eighth avenue, Philadelphia.

Office (add.), 426 Fairmount avenue, Philadelphia, \$10,000. Architect, private plans. Owners, Henry Wampole & Co., 426 Fairmount avenue, Philadelphia. Brick, 1 story add., 81 feet 6 inches x 23 feet 4 inches, 18x20 feet. Contract awarded A. B. MacGregor, 1628 Vine street, Philadelphia.

Stores (add.), 8506-08-10 Germantown avenue, Philadelphia, \$3,200. Architect, private plans. Owners, A. & R. Allen, 5 West Highland avenue, Philadelphia. Brick, second story add., 53x44 feet. Contract awarded Melvin H. Grebe, 5 East Highland avenue, Philadelphia.

Garage, East side Boudinot street, South of Allegheny avenue, \$5,000. Architect, private plans. Owners, Pine Tree Silk Mill, on premises. Brick, 1 story, 84 feet x irregular, slag roof, cement floors. Contract awarded William Marriott, 2912 North Third street, Philadelphia.

Store (alts.), 1332 Walnut street, Philadelphia, \$3,000. Architect, private plans. Owner, George M. Marshall, on premises. General alterations. Contract awarded Frank Stockholm, 120 North Camac street, Philadelphia.

Residence (add.), 1834 South Camac street, Philadelphia, \$2,000. Architect, private plans. Owner, G. Quatrone, on premises. Brick, 2 stories add., 11x14 feet. Contract awarded Horace Di Caro, 1734 South Sixteenth street, Philadelphia.

Residence (add.), 1413 Hunting Park avenue, Philadelphia, \$4,000. Architect, private plans. Owner, Mrs. Gademan, on premises. Brick, 1 story add., 18x7 feet. Contract awarded A. J. Mellon, 6744 York road, Philadelphia.

Store, Northeast Corner Bingham and

Bleigh streets, Philadelphia, \$4,000. Architect, private plans. Owner, Harry Faulkner, 7403 Bingham street, Philadelphia. Brick, 1 story, 16x70 feet. Contract awarded Harry Gorelick, 2427 Douglas street, Philadelphia.

Garage (add.), 223 Clarion street, Philadelphia, \$3,300. Architect, private plans. Owner, Barney Cluff, 220 North Thirteenth street, Philadelphia. Brick add., slag roof, cement floors, electric light. Contract awarded A. L. Fretz & Son, Heed Building, Philadelphia.

Storage Building, Northeast Corner Edmund and Shelmire streets, \$3,000. Architect, private plans. Owners, Mitchell Specialty Co., on premises. General alterations. Contract awarded T. A. Stoutenburgh, 3438 North Marvine street, Philadelphia.

Store, Northeast Corner Bristol and Wissahickon avenue, Philadelphia, \$2,000. Architect, private plans. Owner, Herman Shaffram, Juniata and Wissahickon avenue. Brick, 1 story, 16x50 feet. Contract awarded to W. & R. Isles, 310 Levick street, Philadelphia.

Store and Storage (alts.), 216 North Thirteenth street, Philadelphia, \$2,000. Owner, Barney Cluff, 220 North Thirteenth street, Philadelphia. General alterations. Contract awarded A. L. Fretz & Son, Heed Building, Philadelphia.

Paving, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways. Ogontz, Municipal Paving Co., Second and Wingohocking streets, Philadelphia, \$17,143.70. Twenty-first, Municipal Const. Co., Second and Wingohocking streets, \$6,113.70. Ditman, Mack Paving Co., Nicetown lane and C street, \$6,003.59. Stiles, Mack Paving Co., Nicetown lane and C street, \$5,892.86. Courtland, Mack Paving Co., Nicetown lane and C street, \$5,074.32. Renova and O streets, J. F. Nolen & Son, 64 East Church lane, \$13,120.65.

Pennsylvania Construction News

College Building, Reading, Pa., \$1,000,000. Owners, Schuylkill College, Dr. W. F. Teel, Reading, Pa. Work contemplated.

School and Convent, Bethlehem, Pa. Architects, Weigner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owner, Rev. Bronislaus Gebert, 429 Hayes street, Bethlehem, Pa. Brick, 2 stories, electric light. Plans in progress.

Mausoleum, location withheld. Architect, C. F. Spangenberg, 14 Finady avenue, Beth-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to last by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE
B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**
SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE Par-Lock

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE

Also KITCHEN CABINETS,
Water Heaters & Refrigerators

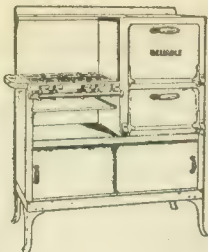


1026 Arch St.

263 So. 52nd St.

York Rd. & Rockland St.

Also Newark & Atlantic City, N. J.



When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric

Write for our descriptive literature
display rooms. See our all
equipment and Murphy cabinet in
well as samples of the Mur



THE MURPHY DOOR

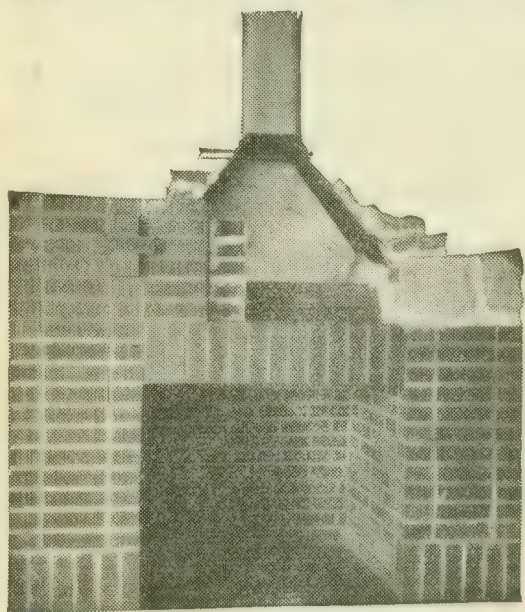
512 Bulletin Building

Philadelphia

Penna.

THERE IS ONLY ONE IN-A-
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

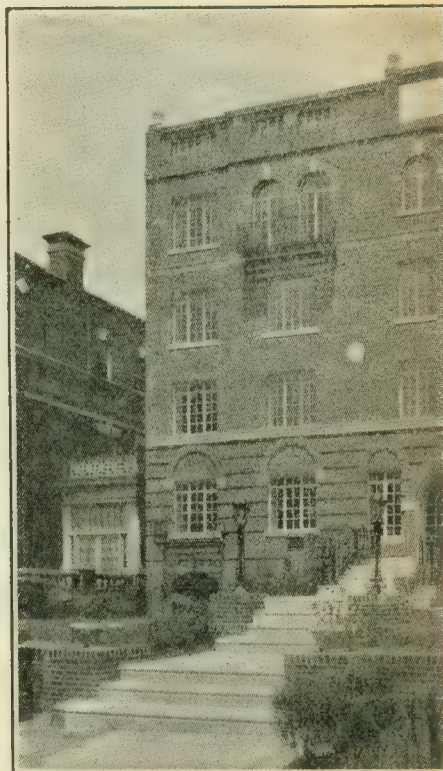
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard
Services. Avail your
Write for Literature

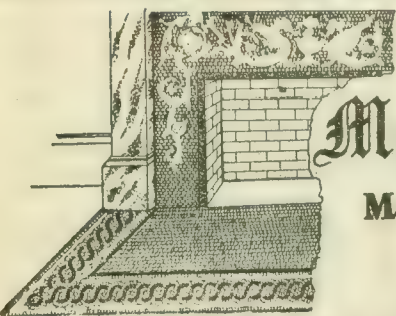


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If h
the surfaces should be immediately waterproofed by ap

If the reinforcing in concrete has begun to r
and cracking, repairs should be made and disintegr
of Truscon STONETEX.

STONETEX is the masonry coating. Not or
from being absorbed into concrete, stucco or brick, b
with a beautiful finish which lasts for years. Stonet
produce the "shiny" appearance of paint. Stonetex lo

BEDS

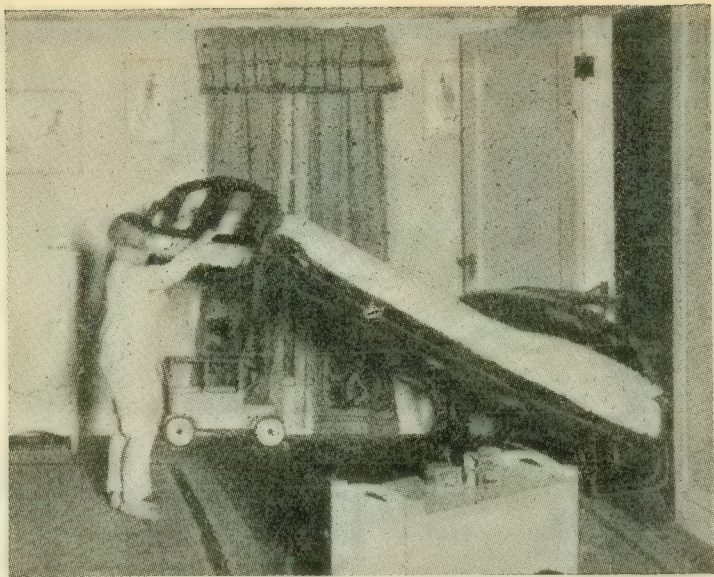
omes
ings

call at our
ain kitchen
g boards as
Beds

D CO.

sy Building
44th Street
w York

BED



A child can operate the bed

comfortable, Convenient
here represented sell
d Specified Materials or
lt of their co-operation.



NETEX

urfaces

ecks are beginning to show,
g Truscon STONETEX.

and the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
ke masonry.



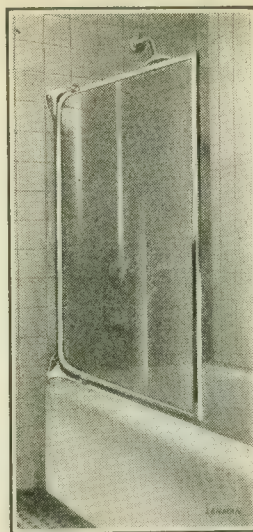
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

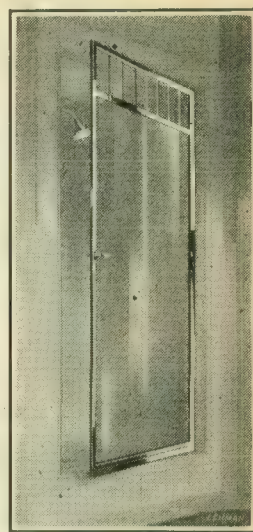
LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy gauge metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS TERRAZZO CERAMICS TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

The man who doesn't advertise, these days, is forgotten. The world is too busy to look up dead ones.

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

**Tabular and Continuous Taper
 Copper Bearing Steel**
FLAG POLES
JOHN E. LINGO & SON
 CAMDEN, N. J.

**ROOFING
 AND
 SHEET METAL WORK**
JAMES B. MacGARVIE
 MAGNOLIA, N. J.
 Approved Roofer for
Barrett Specification Roofs
 Bell Phone—Laurel Springs 21 R4

**PILES, FOUNDATIONS
 CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
 1320 Race Street, Philadelphia
 N. E. HENDERSON, Jr., Representative

**Reinforced Concrete
 and Cement Work**
 Get our estimate first on
 "THAT CEMENT JOB"
FREDERICK MASSIAH
 S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
 BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION
BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.
ARROWHEAD STEEL GRATINGS
FRANK PETTIT ORNAMENTAL IRON WORKS
 REGENT 9857 1505-15 N. Mascher Street, Phila. PARK 4147-4148

lehem, Pa. Owner, name withheld. Marble, reinforced steel, 26x85 feet, reinforced concrete roof, marble floors, slate vault, marble work, stained glass. Plans in progress.

Club House, Ridge pike, West Norriton, Pa. Owners, Women's Club, Mrs. Charles Gardner, Ridge pike and Highland avenue, West Norriton, Pa. Site purchased. Work contemplated.

Sewers, Section 4, Northampton, Pa. Engineers, L. J. H. Grossart and L. P. Grossart, 816 Chew street, Allentown, Pa. Owners, Borough of Northampton, R. M. Kishel, secretary, Town Council, Northampton, Pa. Plans in progress.

Garage and Greenhouse, Ithan, Pa. Architect, private plans. Owner, Mrs. Frank Y. Griswold, on premises. Hollow tile, brick, steel, 1 story, 20x40 feet, 15x30 feet, cement floors, shingle roof, painting, dampproofing, ornamental iron work, cinder concrete block. Owners taking bids due as soon as possible.

Pump House, Pottstown, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick and concrete, steel, 1 story, 17x24 feet, Barrett specification cement floors, terra cotta coping, cinder concrete block, iron work, bond. Architect taking bids due December 1st.

Garage, West Chester pike and State road, Delaware County, Pa. Architect, H. H. Klein, Bulletin Building, Philadelphia. Owner, H. Burton, care of J. P. Liddelbaum, 815 Chestnut street, Philadelphia. Brick, concrete block, 1 story, 100x100 feet, slag roof, cement floor. Owner taking bids.

Residence, Montgomery avenue and Ariedale, Rosemont, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, name withheld. Cinder block, stucco, 2½ stories and basement, 41x38 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, tile work. Architects taking bids due as soon as possible.

School Building, Sugarloaf, Blackwood Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Sugarloaf, Blackwood Township, Pa. Architect taking bids.

Road Work, Pennsylvania. Owners, State of Pennsylvania, Department of Highways, Harrisburg, Pa. Lowest bidders:

Potter County, A-4809, Harrison Township. One course reinforced concrete. D. L. Dennis, Galeton, Pa., \$49,139.17.

Cambria and Westmoreland Counties, R-524, Section 2, Indiana County, R-525, Lower Yoder and St. Clair Townships, East Wheatfield Township and Armagh Borough. One course reinforced concrete. Hagendorn

Const. Co. of West Virginia, Grafton, West Virginia, \$286,036.05.

Allegheny County, R-115, Spur, Sec. 2, Findly Township. One course reinforced concrete. McPherson Brothers, Edgeworth, Pa., \$105,965.56.

Butler County, R-246, Cranberry and Jackson Townships. One course reinforced concrete. Paul R. Beals, Buffalo, N. Y., \$283,218.28.

McKean County, R-10, S-2, Otto Township. One course reinforced concrete. J. C. Devine Co., Alliance, Ohio, \$75,689.48.

Northumberland and Union Counties, R-460, Delaware and Gregg Townships. One course reinforced concrete. Swanger & White, Lebanon, Pa., \$56,167.87.

Bucks County, R-150, Bensalem and Bristol Townships. Grading and drainage. H. C. Ambler, 3717 York road, Philadelphia, \$21,230.17.

Lancaster County, R-527, Eden Township, Quarryville Borough. One course reinforced concrete. J. Miller Ashelman, Landisville, Pa., \$64,561.12.

Greene County, R-111, S-7, Franklin Township. Grading and drainage. W. K. Reed, Waynesburg, Pa., \$6,677.35.

Mifflin County, R-470, Granville Township. One course reinforced concrete. J. M. Hutchinson, Altoona, Pa., \$20,934.30.

Dauphin County, R-1, Upper Paxton Township. Grading and drainage. Swanger & White, Lebanon, Pa., \$17,006.50.

York County, A-4929-30, Shrewsbury Township, New Freedom Borough. One course reinforced concrete. Harry T. Campbell Sons Co., Towson, Md., \$50,950.17.

Westmoreland County, R-302, A-4910, Fairfield and St. Clair Townships. One course reinforced concrete. Edward H. Canon, McKeesport, Pa., \$88,556.99.

Clearfield County, R-276, Sec. 2, Gulich Township. One course reinforced concrete. W. C. Quick & Co., Brookville, Pa., \$146,353.40.

Supplies, Norristown, Pa. Owner, Board of Education, H. R. Kratz, Norristown, Pa. Owner taking bids due Dec. 16th, 4 P. M. Furniture, general equipment for cafeteria, general science, food, etc., window shades for D. Rittenhouse, Jr., High School. Certified check \$100.

Moving Picture Theatre, Ambler, Pa. Architect, Solomon Kaplan, 10 S. 18th street, Phila. Owner, name withheld. Brick, steel, terra cotta, concrete, 1 story, 100x250 feet, seating capacity, 1,200. Stores (6), slag roof, concrete floors, electric light. Plans in progress, ready for bids in two weeks.

Pennsylvania Contracts Awarded

Residence, Laverock, Pa. Architect, Samuel W. Marshall, 1524 Chestnut street, Philadelphia. Owner, H. E. Shore, care of architect. Stone, 2½ stories and basement, 48x32 feet, shingle roof, oak and pine floors, electric light, vapor heat, tile work, bond, ornamental iron work, flagstone. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy.

Residence, Laverock road, Montgomery County, Springfield Township, Pa. Architect, Samuel W. Marshall, 1528 Chestnut street, Philadelphia. Owner, Herbert E. Fricke, Jr., care of architect. Stone, concrete, frame, 2 stories and basement, 28x26 feet, wing 27x19 feet, shingle roof, cement, oak and pine floors, plumbing, hot water heat, electric light, metal lath, tile work, celotex. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy.

Residences (6), Media, Pa. Architect, Charles S. Parker, 5018 Schuyler street, Philadelphia. Owner, name withheld. Brick, concrete block, frame, stucco, 2½ stories and basement, 18x45 feet, shingle roof, oak and pine floors, hot water heat, electric light, metal lath, tile work. Contract awarded Max Cohen, 4018 Girard avenue, Philadelphia.

Residence and Garage, Darby road, Llanerch, Pa. Architect, E. A. Wightman, Bankers' Trust Building, Philadelphia. Owners, C. R. & H. A. Moore, care of architect. Stone, 3 stories, 25x38 feet, 1 story, 20x20 feet. Contract awarded E. Oscar Lobb, Llanerch, Pa.

Frat House, State College, Pa., \$60,000. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, Alpha Sigma Phi, State College, Pa. Stone, 3 stories, slate roof, maple floors, steam heat, electric light. Contract awarded Dowe G. Lowe, State College, Pa.

Twin Residences (2), Ardmore, Pa. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owners, Harrison Brothers, Ardmore, Pa. Brick, stone, 2½ stories, shingle roof, hardwood floors, electric light, tile work. Contract awarded George W. Bottoms, Merion, Pa.

Garage and Show Room, Reading, Pa. Architect, C. F. Spangenberg, 14 Finady avenue, Bethlehem, Pa. Owner, name withheld. Brick, steel, 1 story, 50x150 feet, slag roof, slag roof, concrete floors, roof ventilators, steel sash, skylights. Contract awarded Gottlieb Schneider, Odd Fellows' Building, Bethlehem, Pa.

Garage, Broad street, Bethlehem, Pa. Architect, C. F. Spangenberg, Odd Fellows' Building, Bethlehem, Pa. Owners, Lobach Motors, care of builder. Brick, steel, 1 story, 50x125 feet, slag roof, concrete floors, steam heat, electric light, steel skylights. Contract awarded Gottlieb Schneider, Odd Fellows' Building, Bethlehem, Pa.

Auto Show Rooms and Shop Buildings (3), Southeast Corner Baltimore and Rigby avenues, Lansdowne, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owner, August Wright, Lansdowne, Pa. Contract awarded Waldo Kurtz, 2121 North Sixty-third street, Philadelphia.

Stores (3), Offices and Apartments, Lansdowne avenue and Penna. R. R., Lansdowne, Pa., \$120,000. Architect, private plans. Owner, Morris Appleman, care of builder. Brick, limestone, 2 stories, 19 feet by 4 inches by 60 feet each, stone foundations, slag roof, hardwood floors, hot water heat, plate glass, copper bulks. Contract awarded Garden Homes Const. Co., 1101 N. American Building, Phila.

New Jersey Construction News

Pumping Station, Etc., Acto, N. J., \$120,000. Owner, Board of Freeholders, care of Chamber of Commerce, Atco, N. J. Engineers, Remington & Vosbury, 509 Cooper St., Camden, N. J. Pumping station, distributing mains, hydrants, etc. Work contemplated.

Hotel, 106 S. Kentucky Ave., Atlantic City, N. J. Architect, C. E. Oelschlager, 1615 Walnut St., Phila. Owner, Hotel Trent, on premises. Brick, concrete, steel, 5 stories, 30x0-foot addition. Owner taking bids.

Administration Building, Camden, N. J. Owners, Board of Education, G. Wessel, Camden, N. J. Work contemplated.

College Building (add.), State street, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Rider College, East State and Carroll streets, Trenton, N. J. Brick, steel, 4 stories add. Preliminary plans in progress.

Hotel, Hanover and Stockton streets, Trenton, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owner, Peter Schlicker, 1510 Riverside Drive, Trenton, N. J. Brick, steel, 8 stories, 50x70 feet, slag roof, concrete floors, elevators safety treads, waterproofing and dampproofing, ornamental iron, iron stairs, tile and marble, steam heat, electric light. Preliminary plans in progress.

Church, Palmyra, N. J. Architect, George E. Savage, Witherspoon Building, Philadelphia. Owners, Central Baptist Church, Rev. G. Lockitt, rectory, C. T. Yerkes, Riverton, N. J. Owners ready for bids.

Bank Building, Northwest Corner Broadway and Cooper street, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, First National State Bank, F. M. Archer, Camden, N. J. Brick, limestone, terra cotta. Architects taking bids due December 9th.

Bath House and Stores, Boardwalk, Atlantic City, N. J. Architect, A. L. Brooks, Humphreys Building, Atlantic City, N. J. Owner, name withheld. Brick, steel, concrete, 1 story, 50x390 feet, slag roof, wood floors, electric light, steel sash and skylights. Architect taking bids.

Two-Family Residence, Greystone Park, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Owners ready for bids. Bids due December 7th.

Residences (2), 116-18 South Collings road, Camden, N. J., \$4,000 each. Architect, private plans. Owner, Marco Villecco, Northmont, N. J. Brick, 2 stories, 16x40 feet, slag roof, hot water heat, electric light. Permit issued.

Residence, 3284 Mitchell street, Camden, N. J., \$4,000. Architect, private plans. Owner, William R. Smith, 632 Linwood street, Camden, N. J. Frame, 2 stories, 24x28 feet, slate surface shingle roof, warm air heat, electric light. Permit issued.

Dining Hall and Kitchen, State Colony for Feeble-Minded Males, New Lisbon, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Lowest bidders: George W. Shaner & Son, Palmyra, N. J., \$89,200; Hugh B. Miller, Edgewater Park, N. J., \$89,888.

Miscellaneous Paving, Laurel Springs, N. J. Engineer, W. P. Hauwen, 209 Market street, Camden, N. J. Owners, Borough Council of Laurel Springs, H. P. Bryson, Laurel Springs. Bond. Certified check, 10 per cent. Owners taking bids due November 29th. 3,280 feet 4-inch sidewalks, 1,930 feet curb, 6x7x18 inches, 4,325 square feet 8-inch gutters, 951 cubic yards grading, unit price on cinder, 9 inches thick.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 15, Section 11, East Creek to

South Dennis, Cape May County. Low bidder: H. Lem White, 3057 Kearsarge road, Camden, N. J., \$277,826.60.

Route 18-S, Pittsgrove to Elmer, Salem County. C. H. Earle, Inc., Georgia avenue and Pennsylvania Railroad, Atlantic City, N. J., \$141,188.34.

New Jersey Contracts Awarded

Store Building, 424 Kaighn avenue, Camden, N. J. Architect, private plans. Owner,

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue

West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

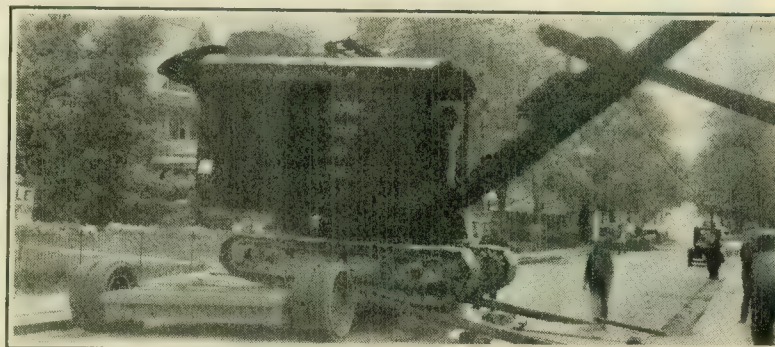
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

name withheld. Brick, steel, 2 stories and basement, 30x100 feet, slag roof, pine and cement floors, plumbing, hot water heat, electric light, metal lath, rolled steel sash, bond, ornamental iron work. Contract awarded William Linker Co., 735 Cherry street, Philadelphia.

School, Lindenwold, N. J. Architect, Thomas Stephen, Temple Building, Camden, N. J. Owners, Clementon Township School Board, Clementon, N. J. Brick, 2½ stories and basement, 77x38 feet, slate roof, pine and cement floors (plumbing, heating, electric separate), metal lath, bond, ornamental iron. Contract awarded Slater & Zane, Sicklerville, N. J.

Residences (20) (10) 321-339 Rand street and (10) 320-38 Rand street, Camden, N. J., \$80,000. Architect, W. P. Houwen, 209 Market street, Camden, N. J. Owners, Markheim, Coles, Macewan, 325 Market street, Camden, N. J. Brick, 2 stories, 18x41 feet, asphalt roof, hot water heat, electric light. Contract awarded J. William Markheim, 325 Market street, Camden, N. J.

Residence (add.), 418 Pine street, Camden, N. J., \$3,700. Architect, private plans. Owner, Giuseppe Crite, 418 Pine street, Camden, N. J. Brick, 2 stories add., 14x27 feet 9 inches, slag roof. Contract awarded Giuseppe Corbo, 317 Stevens street, Camden, N. J.

Store (add.), Northwest Corner Second and

Kaighn avenue, Camden, N. J., \$2,200. Architect, private plans. Owner, Harry Eildman, on premises. Block, 1 story add., 12x71 feet, slag roof. Contract awarded Charles Lehner, 1024 Thurman street, Camden, N. J.

Garage, Seventeenth and Federal streets, Camden, N. J., \$2,000. Architect, private plans. Owners, Warren-Webster Co., Seventeenth and Federal streets, Camden, N. J. Block, 1 story, 23x48 feet, slag roof, cement floors, electric light. Contract awarded Lewis T. West, Fifth and Royden streets, Camden, N. J.

Miscellaneous Construction News

Residence, Hope Valley, Durham, N. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, H. N. Snow, care of architect. Brick, stone, 2½ stories, slate roof, hardwood floors, plumbing, vapor heat, electric light, tile work. Architect taking bids due December 2nd at noon.

Library Addition to Residence, Washington, D. C. Architect, Charles Barton Keen, 338 South Smedley street, Philadelphia. Owner, J. C. Letts, care of architect. Brick, limestone, slag roof, heating and lighting extensions, peak and white oak floors. Plans in progress. Owner will build.

Miscellaneous Contracts Awarded

School Building, Mt. Storm, W. Va. Architect, Henry L. Reinbold, Jr., 1632 Walnut St., Phila. Owner, Board of Education, Mt. Storm, West Va. Contract awarded Asbestos Bldg. Co., Liberty Trust Bldg., Phila.

Irwin & Leighton, Builders, formerly of 126 N. 12th St., Philadelphia, have opened new offices at the Schaff Building, 1505 Race Street, Philadelphia.

Harry Gordon McMurtrie, Architect, has opened new offices at 1321 Arch St., Philadelphia.

Thomas Edward Ash, Architect, is now located at 2021 Chancellor St., Philadelphia.

You can't expect to do your "bit" of this busy world's business unless you enlist in the advertising ranks.

HEALTH AND THE CONSTRUCTION INDUSTRY

A Talk Before the Convention of the National Safety Council by CARL A. WILZBACH, M. D., *Ferro Concrete Construction Company, Cincinnati, Ohio.*

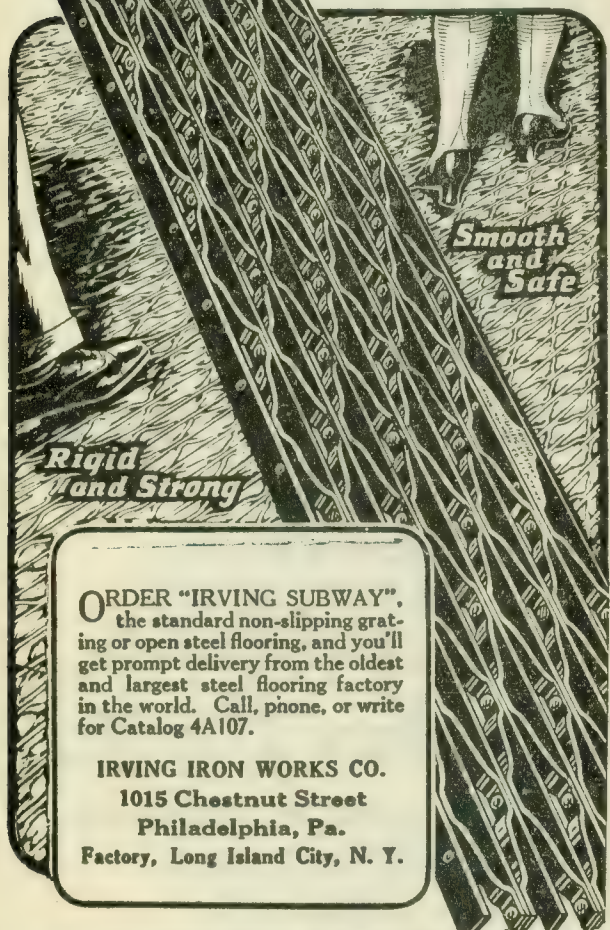
Health in the construction industry may not be different from other fields of endeavor and yet there are certain factors that favor and others that disfavor the health of the construction worker. The worker is usually a rather healthy individual to begin with, made so by the natural processes of elimination. Only those who are able to withstand the physical effort, as well as the effects of the out-of-doors with its varying weather conditions can remain long at his work. It is not a task for weaklings or soft muscled individuals as can be testified by any who have watched the progress of a construction job.

On the other hand, there are many who start young in years and in good health who become expert, efficient workmen—valuable to the company, who over the years acquire all the usual ailments which result in ill health and poor production. At this period the need for medical examination and advice on hygiene is evident and valuable to the men as well as to the company.

We are told by reliable men who have gathered statistics that 3.5 per cent of the 38 million people gainfully employed in the United States are constantly ill and disabled, and of this number half remain on the job. This means that over 1,300,000 workers are ill at any given time. It is further estimated that at least half of this illness is preventable.

Those workers who are ill and still remain on the job furnish us a real problem and an opportunity for it is generally recognized today that there are degrees of health. It is not just absence from disease. It is not present when one is just

Always-When You Need Gratings—



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING
SUBWAY
FLOORING

Conkling-Armstrong Terra Cotta Co.

Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.
Philadelphia

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

able to do his daily work. Health expresses itself in satisfying work, in the ability to enjoy play and recreative activity, in the desire to co-operate with those about one in a common cause.

On the contrary, the worker who is in a low degree of health does not react normally and is apt to be surly, his attitude on questions to be decided is not what might be expected of one in a happy state of health, and there is many times an unwillingness to co-operate. Altogether, this individual is not fit and efficient physically and, therefore, not a good workman.

The average health span or period of physical freedom and full vigor after maturity is between the ages of 18 and 31. That is to say, there is only 13 years after maturity on the average that the worker is free from disease. The work span, or period when men can compete in industry on a fair basis of equality is from 20 to 40 years. This fact is demonstrated by the great falling off in the number of men in industry about the age of 40, at which age their years of productive usefulness seems to be over.

I am sure that all will agree that these periods are far too short, especially when one remembers that the life span at the present time is about 58 years. The rapid accumulation of physical defects, the rapid lowering of physical resistance and working capacity with advancing years, reflect conditions and processes that should be controlled by the application of intelligent care of the body and rational adjustment to work.

What are some factors that influence health? We admit the influence of heredity and pass on to those causes that can be changed and helped during the life of the individual. It is a generally accepted view today that the body does not simply wear out; it is infected out, poisoned out, starved out, or deficienced out. A condition is produced in the body which changes it chemically. In disease there is a tendency toward acidity and death is said to result from acidosis. The factors

that produce the above conditions have been combated successfully in dealing with lower forms of life and much can be done to help man in his fight for a longer healthier existence.

Infections, acute and chronic, lead the list as the most potent cause of disease, the epidemic infections being chiefly responsible in the early years of life; but chronic infections later appearing as a tremendous pathological influence, this type of infection working insidiously and radiating from foci in the teeth, tonsils, middle ear, nasal sinuses, prostatic urethra, gall bladder and appendix.

This condition is evidenced by the man on the job who reports to the physician with a sore throat. On examination he is found to have an acute tonsilitis. This condition is followed by vague pains in the joints some weeks later and then still later by dizzy spells, headache and dyspnoea, resulting from a definite cardiac involvement, all caused by infected tonsils. High blood pressure, nephritis, even gastric ulcers, may be promptly relieved after the removal of an abscessed tooth. Careful attention to the nasal sinuses will frequently clear up a chronic upper respiratory affection which may have long been suspected of being a tubercular condition. It pays to search long and earnestly for some foci of infection especially in individuals who do not respond normally to the accepted treatment.

Food deficiency is still a big factor in the health of men in the construction industry. While the standard meal of the worker, consisting of meat, bread and potatoes is still being seen as one goes among the men, there is also seen green vegetables, fruit and milk. We have seen the great value of the accessory food elements (vitamines) in feeding children, but there is also need for educating the worker to the great need of a mixed diet, including the mineral, vitamine, amino-acid and regulating foods. The effects of diet on certain diseases has been known for a long time, but the newer knowledge of nutrition indicates that many other dis-

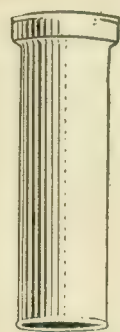
eases are also caused by a lack of certain food elements. It is urged by these experts on the study of foods that there be included for adults daily a mixed diet that contains at least a quart of milk, leafy vegetables and a certain amount of raw vegetable food. If these principles are adhered to the remainder of the balanced ration can be derived from milled cereal products, tubers, root vegetables, sugar and meats.

Poisons are a factor in the health of the worker. The physician has educated the average individual to the need of avoiding constipation, but the number of men is surprising who are taking daily some form of purgative. The various drugs used as cathartics plus all sorts of proprietary preparations are being used. It is questionable what effects some of these drugs generally used will occasionally have upon the body when taken daily and over a long period of years.

Headache tablets are also quite generally used and it is no uncommon sight to see the worker on the job with his box of aspirin tablets which he takes as regularly as he does his meals.

Tea, coffee and tobacco also come under the heading of substances which may poison the individual. Alcohol is increasingly being found to be a factor in producing poisoning. Aside from the chemical impurities contained in the poorly made moonshine there has lately been found copper in quantities large enough to produce metallic poisoning and over a long period of time cirrhosis of the liver.

There is also a need for the man in construction industry to have an oppor-



FLUE LINING, WALL COPING, SEWER PIPE

On every order you can DEPEND upon the efficiency, courtesy and thoroughness that characterizes our REAL SERVICE

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

WE SELL

With or Without Service

FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete

Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.

1844 North Front Street, Philadelphia

Phone—Regent 5911 Park 1373

"ORTHITE" Products for Every
Requirement in Concrete

GENERAL INSURANCE

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

SURETY BONDS

tunity to relax after his day's work. The speeding up of the worker has increased the strain both physically and mentally and this often results in an over-fatigued individual who is not fit for the job. Recreation and hobbies that lead to different channels of thought and action are needed by men in industry just as much as they are needed by men in other walks of life. While there are exceptions, the average construction workers need exercise as does the clerk or business man. A man who merely stands is not exercising and if he does not stand or walk properly the slight amount of exercise he gets moving about the job makes insufficient call upon the heavier muscles. This fact can be demonstrated by a physical examination which shows how woefully deficient the muscular development is and how high the percentage of physical defects is in the average construction worker.

In this same relationship comes the question of sleep. There seems to be an increasing number of cases of insomnia among the workers. There is at first just an occasional sleepless night. These gradually increase in number, and before long the strain of work plus the loss of sleep becomes too great. All sorts of malconditions result, chief of which is stomach symptoms with indigestion and loss of weight. There can be no doubt that the push of modern construction plus the worry of paying for the car and the newly purchased home are some of the major causes of these conditions. Fear, grief and emotional excesses are most destructive to the health of many workers.

There should be special effort made to stress the need of at least eight hours rest for all workers and more if one is below par physically.

Lastly, there is the problem of malfunction of the endocrine secretions. A complete statement of the effects of the various hormones in health is beyond the scope of this paper. It is generally recognized that these substances do stabilize the body tissue and help maintain a normal state of health.

In closing it seems evident that progress is being made. The average worker is better paid, has more of the luxuries of life, is more intelligent, enjoys a better health state and lives longer than at any period in American history.

But we must advance. There is no reason why the present health conditions can not be improved. "Health, vigor and working capacity" are not functions of time, but physical states influenced by what happens in the course of time. Neither the life span nor work span of mankind is fixed by any law. It is within the power of man's intelligence profoundly to influence the length of these spans. To this end we must work with full vigor and driving force.—*Building Industry*.

COMPLETES RECORD FOR CONCRETE WORK

Frederick Massiah Erects Ten-Story Re-Enforced Frame in 69 Days

With the completion of the concrete skeleton of the first unit of the \$10,000,000 Walnut Plaza Apartment building at the southwest corner of 63d and Walnut streets, Philadelphia, a record was established for the re-enforced concrete work. The structure, which is ten stories, on a site 262 feet by 148 feet, building measurements, was completed in sixty-nine days, insofar as the concrete work is concerned. Frederick Massiah, Philadelphia, engineer and contractor, held the contract for this phase of the development.

It is understood that the contractor had a contract from the builders, Armstrong Latta, of Philadelphia, with a limited clause in it, specifying that the work had to be completed within a certain number of days. A bond also was necessary, as is the case with big developments guaranteeing that the work had to be completed at a certain date.

This necessitated the hiring of a small floating population of an average of 250 men per week. They were employed in all phases of concrete work, and their work at times was so rapid, and the progress of the development moved with such exact precision, that it was often necessary to send rush calls to the steel mills for more steel. These 250 men, under the leadership of Mr. Massiah and his foreman, used thirty-eight carloads of materials each week, and every six days there had to be two carloads of steel delivered on the job. All told, there are 700 tons of steel in the first unit of the development.

The entire project will be a block long from Cobbs Creek Boulevard to 62d street. There will be four units, with a massive underground concrete garage in the center, sunken in such a manner that it will be covered with a well-appointed terrace, dotted with shrubbery. The owner is Louis M. Lifter, and the architects are Stetler & Deysher, of Philadelphia.

During the course of constructing the concrete skeleton, a class of engineering students from the University of Pennsylvania visited the development to study the methods of the contractors. Among other developments of which Mr. Massiah was the concrete contractor is the new Browning-King building at 16th and Chestnut streets and the sixteen-story apartment building at 19th and Panama streets. The only elliptical concrete dome in the United States, which graces the Church of the Ascension of Our Lord at F and Westmoreland streets, was built by Mr. Massiah.

THE WELL-WIRED HOUSE SELLS

By B. BADRIAN, *Society for Electrical Development*

Everybody wants the full benefit of electricity in the home. Where is there a family that does not enjoy its bright toaster, its cheerfully gurgling percolator and its waffle iron? Lives there a woman who would do without her electric suction cleaner? Or a man who doesn't care about a good, comfortable reading lamp that can readily be placed just where he likes it? Yet this universal desire for the easy use of electricity can be gratified only in well-wired homes. Such homes are astonishingly few, as renters and buyers are learning to observe. There is something in this for the speculative builder to consider.

It is a fact worthy of any builder's attention that every family frets and fumes almost every day because troublesome wires have to be strung around the breakfast table in order to give the toaster, the percolator and the waffle iron their chance. An electric lamp has to be awkwardly unscrewed from within its glass or silken shade in order to attach the suction cleaner for its morning round of the rugs. And in the living room there is almost no place at which to connect the comfortable evening reading lamp unless some other lamp is removed.

How often, even in these days of advanced ideas about electric service, do husbands and wives talk it over!

"My goodness, George," says she, after a strenuous day, "it certainly is troublesome to have these electric cords lying across the floor to reach the bridge lamps. Someone is always tripping over them."

"Why don't you run them under the rugs?" he proposes.

"Well, if I do, then the rugs wear out fast in strips right where the wires lie. I can hardly run the cleaner over such places. They just make a rug wad up, and everyone is always scuffing their feet over them. It worries me all the time."

"Can't you attach one to the baseboard socket?"

The table lamp uses that. It's too bad there aren't more sockets in that room. Why, we ought to have at least four in there to take care of the bridge lamp and the table lamp and the one by the piano and the other one back of the davenport. And I do wish we had a wall socket like Mrs. Grantham has beside the door between the living room and the dining room. She can plug in her cleaner without even leaning over and then it will reach both rooms."

They both look around the rooms a minute. Then:

"When we moved in here," says he, "they told us this place was well wired. I thought so, myself. It's better than our last one, at that, for we didn't have even

Directory of Architectural and Building Trades of Philadelphia 1928

NOW BEING COMPILED AND WILL GO TO
PRESS SOON AND BE IN HANDS OF
ARCHITECTURAL AND BUILDING
TRADES EARLY IN 1928

To be sure your correct address and Bell and
Keystone phone numbers are properly
listed advise us at once of any changes.

To continuously and effectively focus attention
on your products and service, if you serve
Architects and the Building Trades, do
not overlook the Directory of the Architec-
tural and Building Trades of Philadelphia.

Advertising Rates on Application.

Building News Publishing Co.

1530 CHESTNUT STREET
PHILADELPHIA, PA.

Race 6108-7109

Rittenhouse 9771-2

one baseboard socket before. But, gee whiz, after I got those electrical things at Christmas-time—. It doesn't seem as though there has been any chance to use them, does there?"

They both wonder whether they'll "ever live in a really good house that hasn't got anything the matter with it" and remark to each other how fine that would be.

Right there is the speculative builder's opportunity. He is forever struggling to find ways of making his houses and apartment buildings better than his competitor's without great expense to himself. He hungers and thirsts after a sales argument that will give him a selling edge.

Adequate wiring is just such an argument. If he builds homes that guarantee the occupants against having to drape a tangle of wires around breakfast tables and against other awkward expedients to get electric service, then he has something to sell that will make a strong appeal to tired house hunters. Everybody wants to enjoy the full benefit of electricity and he can capitalize on that perfectly human and laudable desire. His properties become not only more salable, but take on a higher permanent value.

"But," this builder may say, "how can I make the wiring in my homes speak for itself? To my average prospect, all wiring appears to be about the same. How can I make my wiring show its superiority?"

That is where the National Red Seal Plan suggests itself. When a house or apartment building is wired according to Red Seal specifications, a label is affixed by inspectors on some part of the wiring. It is the same as the "Sterling" mark on silver. It stands for adequacy. It is the proof of wiring convenience. The builder who can display it in a house has a dramatic selling point in his favor.

The Red Seal Plan of house wiring is one which has been worked out by years of experience and which represents neither the maximum of wiring possibilities nor yet the minimum, but which provides the occupants of a home with adequate lighting and other electric service. Outlets are sufficiently plentiful and wiring equipment is so planned as to permit easy, natural, convenient use of electricity. Standard wiring devices of any manufacturer can be used.

Anyone may be sure that wiring bearing the Red Seal is adequate. In a house thus wired there will be no obstacles in the way of convenient use of electric appliances and lamps. The owner of a dwelling pays nothing for the use of the Red Seal idea. If he builds in a territory where the Red Seal plan is operating he specifies in his electrical construction contract that he wants a Red Seal job and, after the work is completed, an inspection

is made for him so as to establish the fact that the wiring merits the award.

The Red Seal specifications represent the combined thought of all the elements comprising the local electrical interests as to what constitutes a minimum of requirements for an adequate wiring installation. For a building to receive the Red Seal, the wiring must be in accordance with the Red Seal specifications. As a prerequisite to awarding a seal, the installation must also meet National Electrical Code, or equivalent, requirements. Thus Red Seal wiring, is both adequate and safe wherever it is found.

This plan is national in scope and is sponsored by the Society for the electrical industry and in turn for the public. This organization, which is non-profit and non-partisan, is consecrated among other things to the work of informing the American public of the many advantages, both economical and practical, of making use of electric service in its many forms.

The method of operating the Red Seal plan, which is fully copyrighted and protected by The Society for Electrical Development, is through local electrical organizations which set up the local wiring standard that is practical for all purposes. This standard is always a marked advance over the inadequacies which obtained previously. The Society takes especial pains to see that these local agencies have the facilities to do a 100 per cent job in the interest of the public and incidentally in the service of the building interests which gain in a very definite manner from the proper operation of the plan.

It should be remembered that the Red Seal plan deals only with the adequacy of the wiring installation. That is to say, it is concerned with the installation of a reasonable number of lighting outlets and switches and convenience outlets from which can be operated portable, table, and floor lamps, and electric labor-saving devices safely controlled. The local organization receives a license to operate the plan from The Society for Electrical Development and from time to time reports are made and a definite check-up is instituted to see that the plan is being operated in conformity with the strict rules and regulations controlling it for the best interests of all concerned.

Red Seal emblem posters are used to identify the home to be wired according to Red Seal standards both during construction and after it is completed. When the home is occupied the posters are removed and a final mark of identification in the form of the label—the Red Seal emblem—is affixed to some convenient and conspicuous part of the electrical service equipment and the home owner is presented with a Red Seal certificate which forms part of the deeds to the home.

This plan, which has been spreading through the United States for two years, is making the Red Seal well-known in nearly a thousand cities and towns where the plan is now operating. About one-sixth of the population of the United States live in these communities and more territorial groups are included with each passing month.

Early in 1927 the principal cities from which Red Seal operation was radiating were these:

Syracuse, Rochester, Buffalo, Poughkeepsie, Amsterdam, Schenectady, Saratoga, Albany and Elmira, N. Y.; Pittsburgh and Scranton, Pa.; Chicago, Waukegan, Rock Island, Moline and Peoria, Ill.; Louisville, Ky.; Detroit and Grand Rapids, Mich.; Minneapolis and St. Paul, Minn.; Atlanta and Savannah, Ga.; Denver, Colo.; Tulsa, Okla.; Memphis and Chattanooga, Tenn.; Youngstown and Toledo, Ohio; Milwaukee and La Crosse, Wis.; Providence, Woonsocket and Pawtucket, R. I.; Muncie, Ind.; Davenport, Iowa; and various cities in California, including San Francisco, Oakland, Sacramento, San Jose, Stockton, Fresno, Los Angeles and San Diego.

Other cities and towns have already applied through leagues and other representative electrical group for licenses to operate under the plan. Although the idea is still young, it has so satisfactorily met the need for a uniform standard of wiring that the time will soon be here when it will be possible for any building anywhere to secure Red Seal wiring.

With our modern facilities for efficiently wiring homes, development houses ought not to be poorly wired.—*Building Developer.*

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.

The man who starts out with the idea of getting rich won't succeed; you must have a larger ambition. There is no mystery in business success. If you do each day's task successfully, stay faithfully within the natural operations of commercial law, and keep your head clear, you will come out all right.—John D. Rockefeller.

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—*Making advertising pay.*

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Magee, Wm. C. West Collingswood, N. J.

Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS

Foundation & Construction Co., 1320 Race St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.

Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub. Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co., 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co., 1320 Race St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumpf Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

BUILDERS' RISKS ARE MANY

but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.



"ANTI-HYDRO" Prevented Concrete from Freezing in this Building

This building was erected during the winter months. The temperature ranged from 30 degrees down to below Zero.

By using "ANTI-HYDRO" in the concrete, no delay was caused by extremely cold weather. Concrete was poured without freezing on days as cold as 15° F.

"ANTI-HYDRO" was used throughout the mass in the concrete foundation walls, basement floor slab below grade, boiler pit five feet below basement floor and for hardening and waterproofing all concrete floors throughout the building.

All concrete in foundation walls and floor was poured against a 4 foot head of water. "ANTI-HYDRO" accelerated the set of the concrete so that this water condition was easily overcome.

In addition to lowering the freezing point of concrete, "ANTI-HYDRO" also hardens and waterproofs cement mixtures—all in one operation. It is extremely easy to use. Mixes readily with the gauging water without the aid of skilled labor.

"ANTI-HYDRO" has been in continuous use for 23 years. It is the oldest liquid integral compound in existence. Use it on your next job for guaranteed results.

ANTI-HYDRO WATERPROOFING COMPANY
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 49
December 7, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

Cork Tile Floors—Cork Board

Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES

Franklin Trust Building
PHILADELPHIA

PLANT

Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Stucco

"P. G." Hardwall

"P. G." Wood Fibred Plaster

"P. G." Plaster of Paris

"P. G." Gypsum Partition Blocks

All Sizes

"P. G." Roof Tile

"Gyproc" Wall Board

"Gyproc" Joint Filler

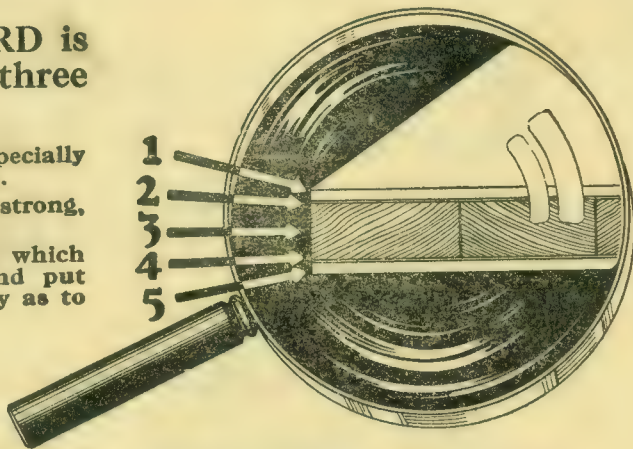
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

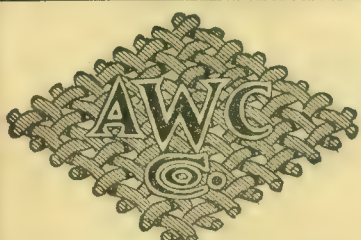
to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

Save Time and Money

MIXED CONCRETE

Delivered right to your job

Gets there on time in our big trucks, ready to be poured, saves big investment in equipment.

Why not investigate the merits of this economical method, and at the same time get our prices on

BUILDERS' MATERIALS

West Jersey Sand and Supply Corp.

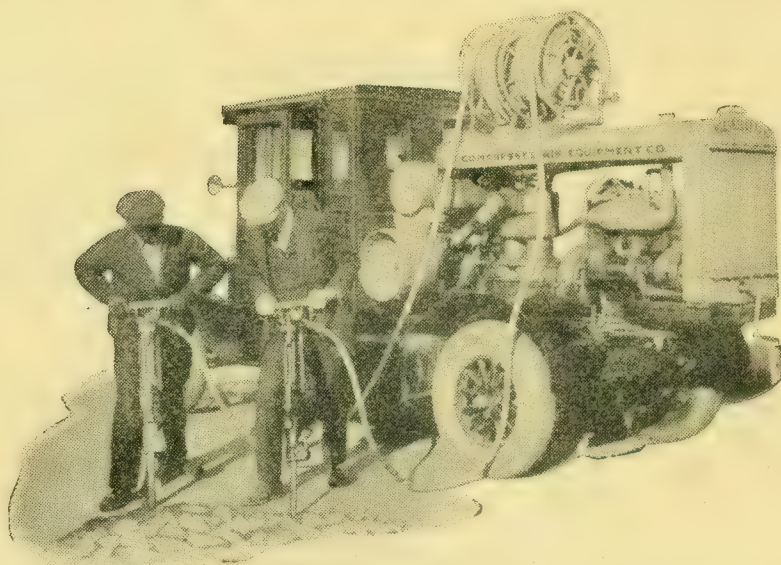
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Pennypacker 9540

Keystone-Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

Copper-steel Casements and Basement Windows for Residences are the modern windows for the modern house.

Large choice of sizes for immediate deliveries. Write for literature.

Lupton makes a steel window for every type of building

Phone, write or wire large and small orders

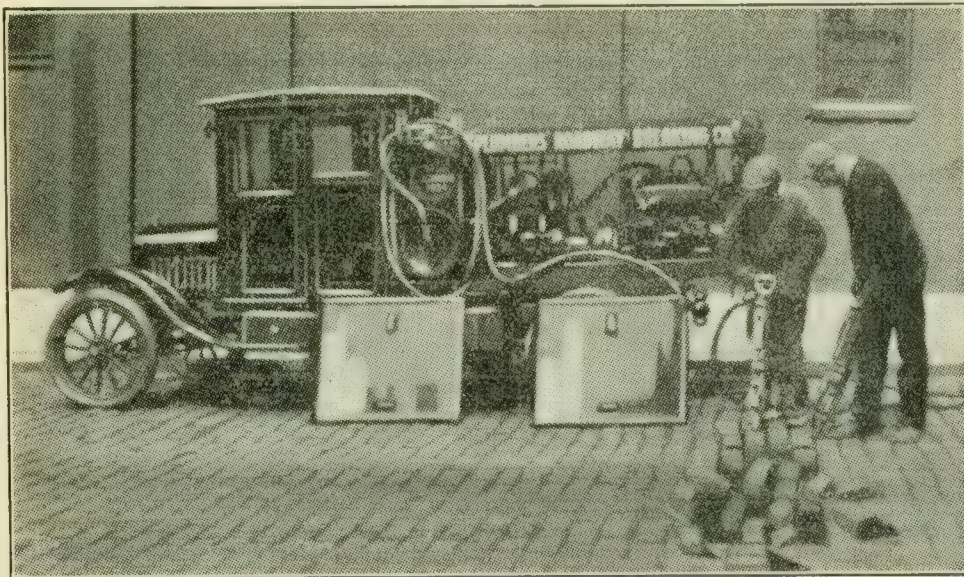
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell-REGent 9700

Keystone-East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

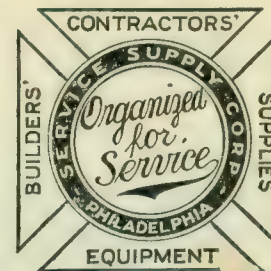
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



SERVICE SUPPLY CORPORATION FOR

**Live Contractors Who Are Going to Continue
Working Throughout Winter Months**

Our analysis of the necessary requirements for work to be done successfully in Winter months has placed us in a position to furnish complete **UNITS FOR WINTER CONSTRUCTION** beyond the experimental point.

Ask for this bulletin and also let us furnish you with information on how to make your concrete set in half the time it takes ordinarily.

**MAIN OFFICE AND WAREHOUSE
20th and Venango Streets
Philadelphia**

BRANCH OFFICES AND WAREHOUSES
235-37 N. Virginia Avenue Atlantic City, N. J. Wilbur Trust Building Bethlehem, Pa.

BRICK

You may be familiar with the
UNUSUAL QUALITY
of the Finzer Full Range Forest Blend
FACE BRICK

but did you know that the price has been
Reduced to \$33.25 per M
Delivered and Stacked on the Job

OTHER UNUSUAL VALUES
are

Smooth Buff Courts \$31.75 per M
Vertical Tex Buffs \$30.00 per M

Telephone for samples and location of
jobs which we have served recently

**EXCELSIOR
BRICK and STEEL
Sales Co.**

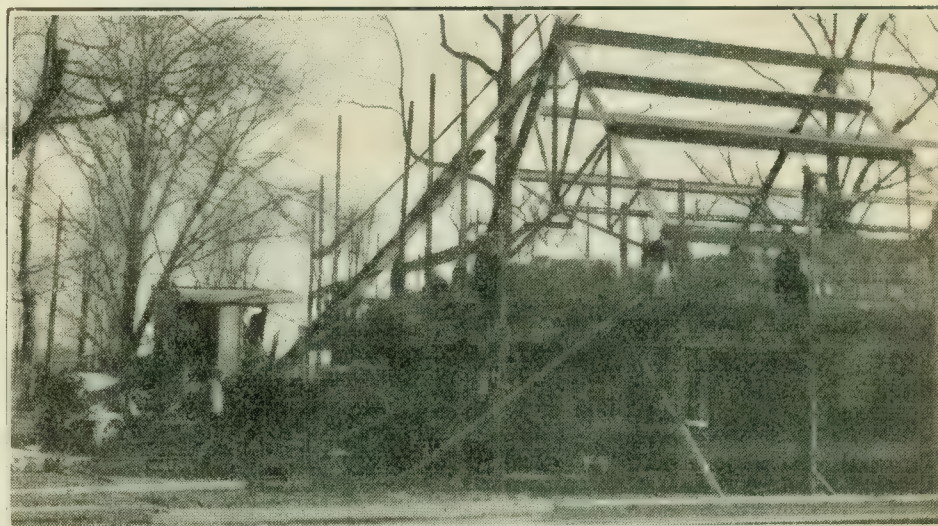
600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

**Excavating
Steel Erecting**

**Trench Work
Car Unloading**



CRANE SERVICE

ALL KINDS OF HEAVY LIFTING, HOISTING. BOOMS TO SUIT WORK. RAMPS AND RUNWAYS EXCAVATED. UNLOADING AND HAULING OF COAL, SAND, CRUSHED STONE, GRAVEL, HEAVY TIMBERS AND MACHINERY.

GEORGE W. PALM
4514 North Front Street
PHILADELPHIA, PA.

Keystone :
Park 2579

Bell :
Michigan 2911

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



Department of Street Cleaning
Twenty-fifth and Oakford Streets
Extra Large Overhead Door, 14 ft. x 16 ft. 8 in.
Built in Eight Sections and Operated with Ease by Hand

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.
ILLUSTRATED CATALOGUE SENT ON REQUEST
Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars

"Page" Wire-Link Fence

"Page" Panel Partitions

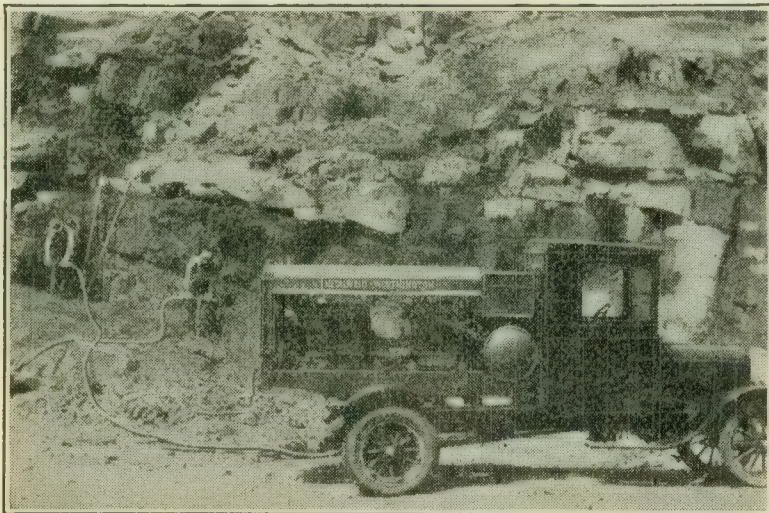
—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street
Regent 7450 Philadelphia, Pa. Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 49

PHILADELPHIA
December 7, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Garage and Show Room, 219 West Cheltenham avenue, Philadelphia. Owner, L. L. Miller, 33 West Mt. Pleasant avenue, Philadelphia. Size of lot 100x154 feet. Work contemplated in spring of 1928.

Store Building, 1931 Chestnut street, Philadelphia. Owners, Knabe Piano Co., 1020 Walnut street, Philadelphia. Brick, stone, steel. Work contemplated.

School Building, Thirty-eighth and Chestnut streets, Philadelphia. Architects, Hoffman & Henon, Fiance Building, Philadelphia. Owners, St. James' Roman Catholic Church, Rev. J. Dougherty, Thirty-ninth and Chestnut streets, Philadelphia. Brick, steel, 3 stories and basement. Plans in progress.

Fire House, Eighty-second and Tinticum avenue, Philadelphia. City architect, John Molitor, 1315 Walnut street, Philadelphia. Owners, Department of Public Works, Bureau of Safety, City Hall. Brick, steel, 2 stories and basement. Plans in progress.

Garage, Show Room, Service Station, Sixty-fifth and Wyncote avenue, Philadelphia. Architect, Alvin C. Bieber, 1520 Locust street, Philadelphia. Owner, name withheld. Brick, steel, 100x100 feet, 75x100 feet, triangular, 75x100 feet, triangular, air blast steam heat, electric light, built-up gypsum roof, concrete floors, steel sash and window frames, Cornea bars, Craftex, stucco. Plans in progress. Ready for bids in ten days.

Bank and Office Building, 3160 Kensington avenue, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadel-

phia. Owners, Northeastern Title & Trust Co., on premises. Limestone, brick, 4 stories. Ready for bids December 15th.

Bank, Allegheny and Kensington avenues, Philadelphia. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Ninth Bank & Trust Co., A. W. Barnes, Front and Norris streets. Ready for bids January 1st.

Polyclinic Hospital, Nineteenth and Lombard streets, Philadelphia. Architects, Department of Buildings and Grounds, P. H. Wilson, Thirty-fourth and Spruce streets. Owners, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Demolition, cement floors, slag roof, iron work, hardware, carpentry and mill work, steel sash, metal doors, metal weather stripping, electric work. Owners will build.

Apartment House (alts. and add.), 817 North Sixty-third street, Philadelphia. Architect, Emil C. K. Schmidt, care of owner. Owner, James T. Schamel, Widener Building, Philadelphia. Bond, demolition, brick work, cement work, hollow tile, cut stone, brick work, iron work, structural steel, area gratings, hollow metal doors, carpentry and mill work, oak floors, steel partitions, composition roof, rolled steel skylights, metal lath, plastering, tile and marble work, painting, glazing, hardware, 3 stories and basement, 30x34 feet. Owner taking bids due December 8th.

Residence (alts. and add.), 731 South street, Philadelphia. Architect, private plans. Owner, Benjamin Brooks, 505 South street, Phila-

delphia. Stucco, hot water heat, electric light, slag roof, plastering, mill work, stair work, metal lath. Owner taking bids due as soon as possible.

Laundry Building, Philadelphia Hospital for Insane (Male Department), Byberry, Pa. Architect, P. H. Johnson, Widener Building, Phila. Owners, Department of Public Health, 584 City Hall, Phila. Brick, steel, cut stone, 1 story and basement, 92x49 feet, (electric, plumbing, heating separate), slate roof, metal partitions, waterproofing, architectural terra cotta, hollow metal sash, bond, ornamental iron work. Owners taking bids due December 10th.

Apartment House, Southeast Corner Ninth and Walnut streets, Philadelphia. Architect, I. Demschick, 1701 Chestnut street, Philadelphia. Owner, B. Bornstein, Belfield and Wingohocking streets, Philadelphia. Brick, limestone, 4 stories and basement, 90x22 feet, rear 36 feet, irregular, 21 apartments, hot water heat, electric light, metal lath, tile, marble work, slag roof, hardwood floors, excavation, demolition, kalamein doors. Owner taking bids.

Dye House, Front and Olney avenue, Philadelphia. Architects, Carson & Carson, 22 South Fifteenth street, Philadelphia. Owners, Heintz Mfg. Co., Mr. Light, on premises. Corrugated iron, steel, 1 story, 110x35 feet, cement floors, rolled steel sash, corrugated iron roof, iron work. Owners are building.

Parochial School, Twenty-fourth and Lehigh avenue, Philadelphia. Architects, H. D.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7530

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & Co.

ENGINEERS AND CONTRACTORS

WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

REPUBLIC BRASS

"Standard"
Enamelware

**PAYNEE PIPELESS
FURNACE**

FLECK BROS. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT

That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Faint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Dagit & Son, 1329 Race street, Philadelphia. Owners, St. Columbia's Roman Catholic Church, on premises. Work contemplated.

Garage, West Manayunk, Philadelphia. Architect, Frank C. Watson, 302 Crozer Building, Chester, Pa. Owner, name withheld, care of architect. Reinforced concrete, 2 stories, 30x40 feet. Plans in progress.

Theatre, Bank Stores (8) and Arcade, Germantown and Hunting Park avenues, Philadelphia, \$500,000. Architect, Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, All-Ken Co., care of architect. Indiana limestone, steel, brick, concrete, size irregular, composition roof, vapor heat, electric light, ornamental plaster, painting, plumbing, ventilating. Dance hall, billiard room, seating capacity 2,200. Plans ready for contractors.

Parish House, Northwest Corner Ninth and Auburn streets, Philadelphia, \$7,500. Architect, Peter F. Getz, Victory Building, Philadelphia. Owners, St. Bonaventuras' Parish, care of D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. Brick, steel, 3 stories and basement, slag roof, pine floors, vapor heat, oil burner, metal ceilings, painting, slate work, mill work, structural and ornamental iron, waterproofing, stair work, dumb waiters, art ware, lightning rods. Architect taking sub-bids.

Theatre and Office Building, Broad above Susquehanna avenue. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street. Owner, name withheld. Brick, steel, limestone, 5 stories, 100x200 feet, seating capacity 2,000, gypsum roof, pine and cement floors, steam heat, electric light, tile work. Plans about completed. Will be ready for bids in about 10 days.

Contract No. 131, Broad Street Terminal (Fern Rock Station). Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: Pennsylvania Engr. & Const. Co., Real Estate Trust Building, \$148,266; Fish-Rutherford, 4058 Chestnut street, Philadelphia, \$159,817.50.

Whitehall Commons (improvement), Jackson and Filmore streets, Frankford. Owners, Department of Public Works, Bureau of Property, 216 City Hall. Owners taking bids due December 15th at noon. Concrete benches, drainage, grading, curbing, sodding, etc.

Equipment, Forty-third and Kingsessing avenue, Philadelphia. Owners, Department of Public Safety, 215 City Hall. Owners taking bids due December 13th at noon. Certified check, 5 per cent. Furnish and deliver appliances, material for modern manual fire alarm telegraph central office.

Gym Apparatus, etc., W. F. Kendrick and East Germantown Recreation Centers, Phila.

Owners, Department of Public Welfare, Bureau of Recreation, 595 City Hall. Owners taking bids due December 12th. Certified check, 5 per cent.

Supplies, Philadelphia. Purchasing agent, E. J. Laffery, 312 City Hall, Philadelphia. Owners taking bids due December 12th at noon. Lubricating oil, paint, paints and oils, varnishes, etc. Certified check, 5 per cent.

Improvement of Whitehall Commons, Jackson and Filmore streets. Owners, Department of Public Works, Bureau of City Property, City Hall. Owners taking bids due December 15th at noon. Certified check, 5 per cent.

Stores and (9) Residences, 6916-32 Torresdale avenue, Philadelphia, \$54,000. Architect, private plans. Owner, E. C. Durell, 1713 North Twenty-fourth street, Philadelphia. Brick, 2 stories, 17x60 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Storage Building, South side Hunting Park avenue, East of G street, \$35,000. Engineers, Day & Zimmerman, 1600 Walnut street, Philadelphia. Owners, Barber Asphalt Co., Thirtieth street above Race, Philadelphia. Brick, 3 stories, 62 feet 6 inches x 41 feet. Permit issued.

Storage Building (add.), 419 North Hutchinson street, Philadelphia, \$2,500. Architect, private plans. Owners, Esslinger Brewing Co., 410 North Tenth street, Philadelphia. Brick, second story add., 22x31 feet. Permit issued.

Residences and Garages (12), Cedarbrook avenue, North of Limekiln pike, \$42,300. Architect, private plans. Owner, J. P. Van Cleave, 516 East Willow Grove avenue, Philadelphia. Brick, 2 stories, 16x14 feet, 18x18 feet, slag roof, hardwood floors, hot water heat, electric light, garages, 1 story, 9x18 feet, \$2,400 total. Permit issued.

Residences (2), Northeast Corner Hegerman and Levick streets, Philadelphia, \$9,000. Architect, private plans. Owners, Aureli Brothers, 2005 Cambridge street, Philadelphia. Brick, 3 stories, 15x30 feet, 10x16 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence, North side Devereaux street, West of Mulberry street, \$3,500. Architect, private plans. Owner, Fred Dietrich, Frankford avenue and Devereaux street. Brick, 2 stories, 15x31 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment House, Northwest Corner Sixty-third and Jefferson streets, Philadelphia. Architect, private plans. Owners, Overbrook Gardens Const. Co., on premises. Brick, 4 stories, 103x180 feet, slag roof, hardwood and

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

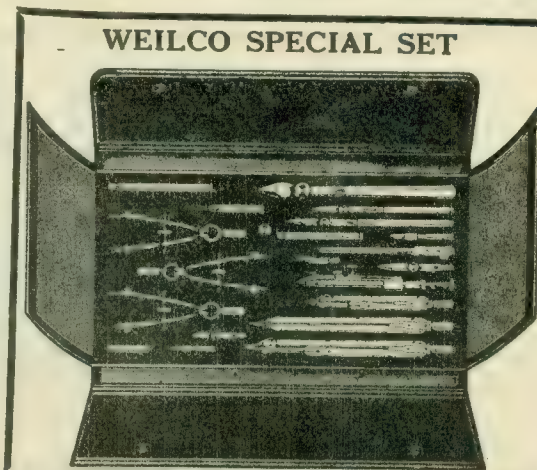
Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.
Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes



WEILCO SPECIAL SET

Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED—Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

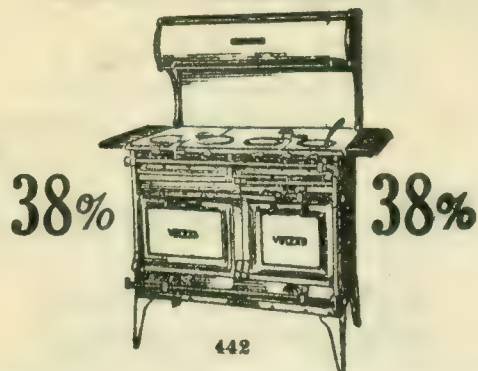
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

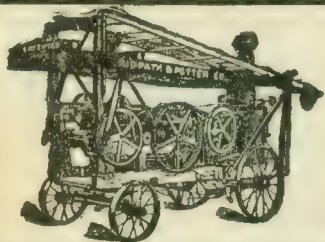
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

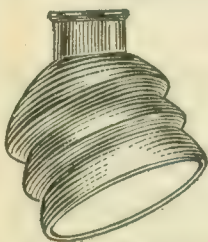
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

pine floors, oil burner, electric light. Permit issued.

Residences (2), West side Palmetto street, North of Bleigh street, \$9,600. Architect, private plans. Owner, August Glaser, Whitaker and Bleigh streets, Philadelphia. Brick, 2 stories, 16x37 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residence and Garage, Southwest Corner Buxmont and Overhill road, \$7,300. Architect, private plans. Owner, D. C. Moyer, 2344 North Carlisle street, Philadelphia. Frame, 2 stories, 26x32 feet, garage, 1 story, 16x18 feet. Permit issued.

Store and Apartments (add. and alts.), 1105 South Forty-seventh street, Philadelphia, \$2,500. Architect, private plans. Owner, C. Sanner, 1103 South Forty-seventh street, Philadelphia. Brick, 2 stories add., 14x14 feet, general alterations. Permit issued.

Rhawn Street Bridge, over Pennypacker Creek, Phila. Owner, Dept. of Public Work, Bureau of Engineers, 216 City Hall. Inquire

416 City Hall. Certified check, 5%. Owner taking bids due Dec. 14th at noon. For repairs to bridges.

Service Building, N. W. corner 21st and Appletree streets, Philadelphia. Architect, E. A. Stopper, 10 S. 18th street, Phila. Owner, Chas. Kahn, Morris Bldg., Phila. Brick, steel, 2 stories and basement, 20x80 feet. Ready for bids in a few days.

Store and Office Building, 2121 Walnut street, Phila. Architect, E. A. Stopper, 10 S. 18th street, Phila. Owner, Chas. Kahn, Morris Bldg., Phila. Brick, 2 stories, 22x80 feet. Ready for bids in a few days.

Service Stations (6), (Gasoline), various locations. S. E. corner Chestnut and Farragut streets; N. W. corner 29th and Diamond streets; S. E. Torresdale and Gillingham street; S. W. corner Bethlehem Pike and Weiss street; corner Lehigh, Sedgley and Garnett streets, Philadelphia; 33rd and Westfield avenue, Camden, N. J. Architect, private plans. Owner, Chas. Kahn, Morris Bldg., Phila. Owner taking bids due Dec. 15th.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Bank Building, Northeast Corner Fifty-second and Market streets, Philadelphia. Architect, private plans. Owners, Franklin Trust Co., C. A. Harris, Jr., Fifteenth and Chestnut streets. Brick, limestone, steel, 2 stories and basement, 42x63 feet, slag roof, cement floors, travertine, plumbing, casement windows, ornamental iron work, bond, tile, marble and terrazzo work, metal lath, electric light, steam heat. Contract awarded John N. Gill Const. Co., City Center Building, Philadelphia.

Boiler House and Laundry Building, Pulaski and Rittenhouse Sts., \$15,749. Engineer, S. A. Jellett, 1200 Locust street, Philadelphia. Owners, Managers for the Relief and Employment of Poor of Germantown, J. F. McClellan, on premises. Contract awarded L. Rosen-garten, Otis Building, Philadelphia.

Auto Show Room, 6133 Ridge avenue, Philadelphia. Architect, private plans. Owner, S. F. Banham, on premises. Brick, limestone, 1 story, 34x46 feet, heating alterations, electric light, prison and plate glass, mill work, copper bars. Contract awarded H. F. Brown, 6100 Ridge avenue, Philadelphia.

Moving Picture Theatre, 2806-28 North

Fifth street, Philadelphia, \$110,000. Architects, Hodgins & Hill, 130 South Fifteenth street, Philadelphia. Owners, Fineman, Seltzer & Fineman, on premises. Brick, stone, steel, limestone, 2 stories, 87x139 feet, asbestos roof, cement floors, plumbing, waterproofing, wall finish, ornamental iron, steel pipe, tile, marble, terrazzo, electric work, oil burners, hot air heat, tin-clad doors. Contract awarded P. Haibach Const. Co., 1262 North Twenty-sixth street, Philadelphia.

Enclosure of Rocket, Twelfth and Market streets, Philadelphia. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Carpentry and mill work, glazing. Contract awarded Lam Building Co., 1001 Wood street, Philadelphia.

Residence and Garage, Northeast Corner Buxmont and Overhill road, \$7,000. Architect, private plans. Owner, J. P. Seiamston, Bustleton pike and Prospect avenue, Philadelphia. Frame, 2 stories, 28x26 feet, garage, 1 story, 16x18 feet. Contract awarded D. C. Moyer, 2344 North Carlisle street, Philadelphia.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.

WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4539

KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Store, Northeast Corner Fifty-sixth and Chestnut streets, Philadelphia, \$4,500. Architect, private plans. Owner, Joseph Beirer, 240 South Thirteenth street, Philadelphia. Brick, 1 story, 14x60 feet. Contract awarded Charles R. Davis & Son, 4729 Ludlow street, Philadelphia.

Building (repairs), 1851 North Seventeenth street, Philadelphia, \$2,000. Architect, private plans. Owner, Alfred Moyer, 1851 North Seventeenth street, Philadelphia. General fire repairs. Contract awarded Cramp & Co., Denckla Building, Philadelphia.

Residence and Store, 2623 Germantown avenue, Philadelphia, \$8,000. Architect, private plans. Owner, Philip Lubber, on premises. General alterations. Contract awarded Paul Brosz, 2515 West Huntingdon street, Philadelphia.

Residence, 2113 South Twenty-eighth street, Philadelphia, \$6,000. Architect, private plans. Owner, Joseph Bura, 2814 Jackson street, Philadelphia. Brick, 3 stories, 18x65 feet, hardwood and pine floors, hot water heat, electric light. Contract awarded Stanley Purkes, 1226 South American street, Philadelphia.

Manufacturing Building, Southwest Corner Church and Tacony streets, \$3,000. Architect, private plans. Owners, F. P. Woll & Co., on premises. Brick, 1 story, 48 feet 9 inches x 31 feet 3 inches. Contract awarded Wintz Brothers, Inc., 1618 Sellers street, Philadelphia.

Storage Sheds (3), rear 5012 Parkside avenue, Philadelphia, \$5,400. Architect, private plans. Owners, Collins & Aikman, Fifty-first and Columbia avenue, Philadelphia. Steel and frame, 1 story, 18x160 feet. Contract awarded Blaw-Knox Co., Pittsburgh, Pa.

Residence, South side Ashwood street, East of Eighty-ninth street, Philadelphia, \$5,000. Architect, private plans. Owner, Alexander Bailey, Eighty-ninth and Ashwood streets, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded Thompson Patterson, Eighty-sixth and Bartram avenue.

Residence (add.), Northeast Corner Jefferson and Randolph streets, \$3,000. Architect, private plans. Owner, Fred Laubingier, 216 Wyoming avenue, Philadelphia. Brick, 3 stories add., 12x15 feet. Contract awarded Peter J. Brown Sons, 3064 Tulip street, Philadelphia.

Store and Residence (alts.), 111 South Thirty-fourth street, Philadelphia, \$3,000. Architect, private plans. Owner, W. L. McDonald, 27 South Fortieth street, Philadelphia. General alterations. Contract awarded William E. Miller, 740 North Forty-fourth street, Philadelphia.

Garage, Dye House and Dry Cleaning Building, 3924-26 Filbert street, \$9,500. Architect, private plans. Owners, F. J. Watts Co., 3927 Market street, Philadelphia. Brick, 1 story, 28x35 feet, 24x35 feet and 24x24 feet, slag roof, electric light. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Garage and Stable, 6950 Germantown avenue, Philadelphia, \$7,000. Architect, private plans. Owners, Lutheran Orphans' Home, on premises. Brick, 1 story, 22x53 feet, slag roof, cement floors. Contract awarded John

Schnabel, Inc., Northeast Corner Thirteenth and Chestnut streets, Philadelphia.

Manufacturing Building, 217 South Twenty-fourth street, Philadelphia, \$6,000. Architect, private plans. Owner, J. P. Mangpenny, 2210 Chestnut street, Philadelphia. Brick, 2 stories, 18 feet 6 inches x 110 feet. Contract awarded Edward Cunningham, 2121 Vine street, Philadelphia.

Moving Picture Theatre (alts.), 1710-12-14 West Susquehanna avenue, Philadelphia, \$2,500. Architect, private plans. Owners, Norris Amusement Co., 1826-30 West Norris street, Philadelphia. General alterations. Contract awarded J. A. Karr, 4040 Parkside avenue, Philadelphia.

Residence and Store (add. and alts.), Southwest Corner Frankford avenue and Wishart street, Philadelphia, \$18,000. Owner, August Schilling, on premises. Brick, 1 story add., 20x14 feet, general alterations. Contract awarded Paul Brosz, 2511 West Huntingdon street.

Residence and Garage, Northwest Corner Forrest Hills avenue and Overhill road, Philadelphia, \$14,000. Owner, J. L. Cranston, Somerton, Pa. Frame, 2 stories, 40x30 feet, garage, 1 story, 18x20 feet, hot water heat, electric light, hardwood and cement floors. Contract awarded Charles T. Ely, Somerton, Pa.

Storage Building, West side Cresson, South of Green Lane. Architect, private plans. Owner, E. C. Struse, on premises. Brick, 1 story, 38x71 feet and 45x56 feet. Contract awarded Swartley & Son, 6835 Ridge avenue, Philadelphia.

Residence (add. and alts.), 4754 Penn street, Philadelphia, \$6,000. Architect, private plans. Owner, John Kay, Jr., on premises. Brick, 1 story, 15x8 feet, general alterations. Contract awarded Kenneth Adams, Jr., 3252 North Philip street.

Residence, Southwest Corner Convent lane and Cottage street, \$5,000. Architect, private plans. Owner, Charles Weiger, 2650 Ann street, Philadelphia. Frame, 2 stories, 24x26 feet, hot water heat, electric work. Contract awarded Malcher McCabe, Audrey and Hegerman streets.

Manufacturing Building (add.), 607 Commerce street, Philadelphia, \$4,000. Owners, Bachman Brothers, 609 Commerce street, Philadelphia. Brick, 2 stories add., 11x38 feet. Contract awarded A. Raymond Raff Co., 1635 Thompson street.

Residence (alts.), Queen Lane Manor, 3119 Penn street, Phila. Architects, Stackhouse & Donohoe, 266 S. 15th street, Phila. Owner,

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

WAREHOUSE
DELIVERY
ON
QUARRIES

SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE **Par-Lock**

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

CASUALTY
FIRE
INSURANCE

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

SURETY
BONDS

—PHILADELPHIA GAS RANGE CO.—

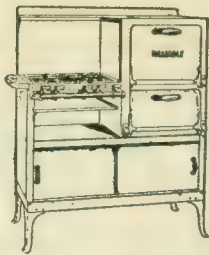
Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.

Regent 1100

Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all po
equipment and Murphy cabinet in
well as samples of the Murp

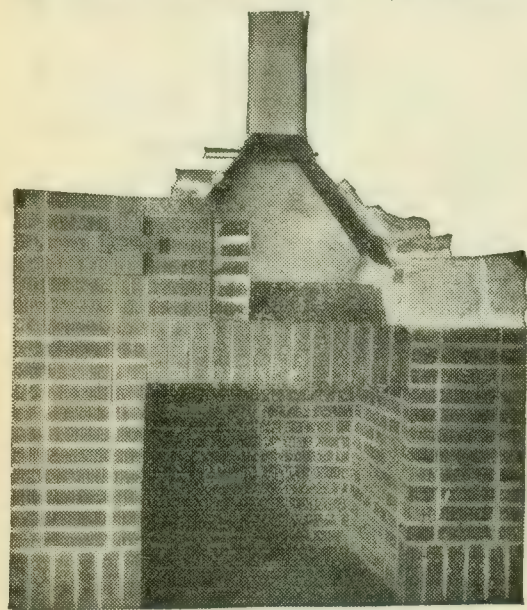
THE MURPHY DOOR

512 Bulletin Building
Philadelphia
Penna.

Be
19 V

THERE IS ONLY ONE IN-A-
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

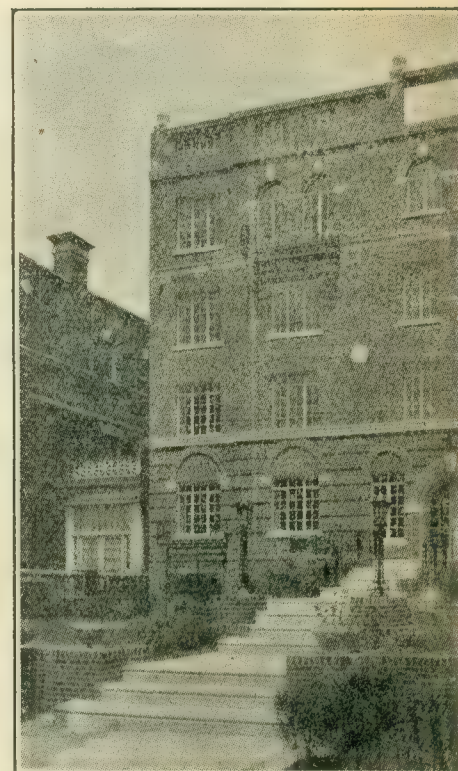
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firm
recognized Standard a
Services. Avail your
Write for Literature.

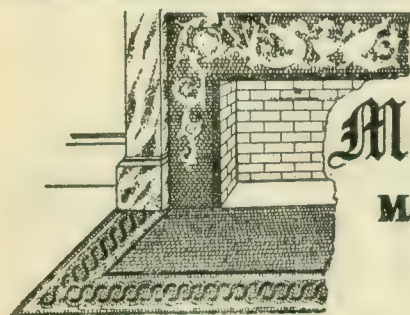


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If ha
the surfaces should be immediately waterproofed by app

If the reinforcing in concrete has begun to ru
and cracking, repairs should be made and disintegrat
of Truscon STONETEX.

STONETEX is the masonry coating. Not onl
from being absorbed into concrete, stucco or brick, bu
with a beautiful finish which lasts for years. Stonete
produce the "shiny" appearance of paint. Stonetex loo

BEDS

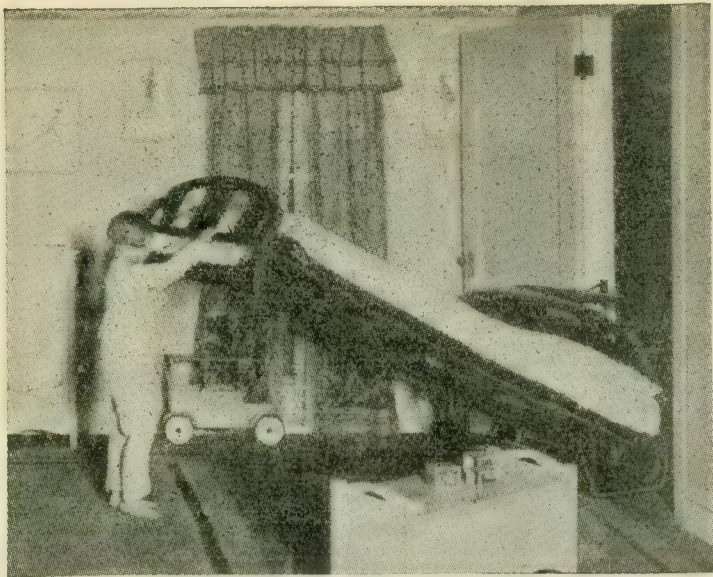
mes
ings

call at our
in kitchen
boards as
Beds

CO.

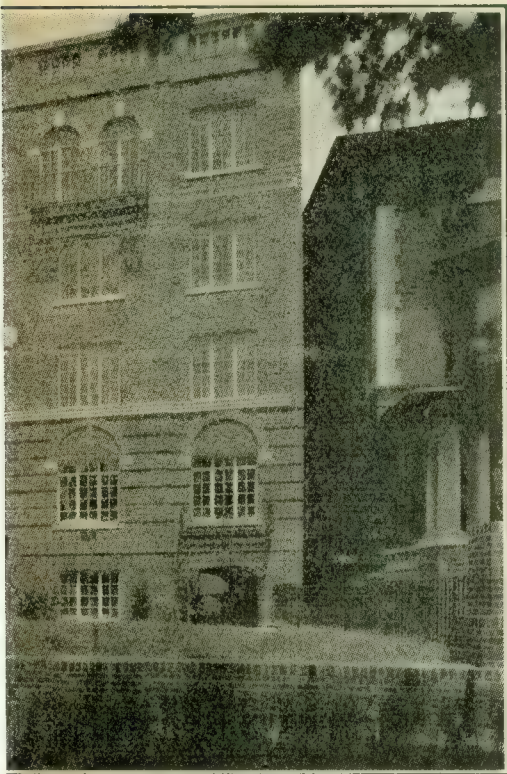
y Building
44th Street
w York

BED



A child can operate the bed

fortable, Convenient
here represented sell
Specified Materials or
lt of their co-operation.



NETEX

rfaces

cks are beginning to show,
Truscon STONETEX.

and the concrete is spalling
stopped by the application

as it prevent moisture
also covers the surface
es flat. It does not
e masonry.



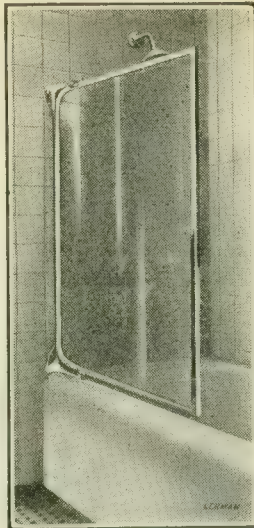
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

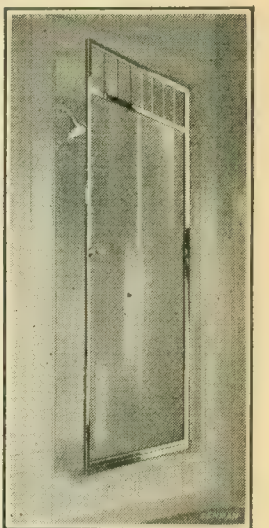
LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK
Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

Lewis Lumber Co.

Lumber
Stock Millwork
Jobbers' Lumber
Sheetrock
Flintkote Shingles

324 Sloan Street
Philadelphia

(Between 39th and 40th, off Powelton Ave.)

Phone, Evergreen 4769

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.

BETHLEHEM, PA.

ROOFING SLATE EXCLUSIVELY

The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

ARROWHEAD STEEL GRATINGS

FRANK PETTIT ORNAMENTAL IRON WORKS

REGENT 9857

1505-15 N. Mascher Street, Phila.

PARK 4147-4148

Henry G. Reifsynder, on premises. Carpentry, millwork, plastering, painting, glazing. Contract awarded H. E. Grau, 2125 Cherry street, Phila.

Apartment House (alts.), and **Garage**, 112 W. Tulpehocken street, Phila., \$7,500. Architect, private plans. Owner, Anna M. Breakey, on premises. General alterations. **Garage**, brick, 1 story, 20x80 feet. Contract awarded Adams Const. Co., 625 Widener Bldg., Phila.

Restaurant (alts.), 5145 Market street, Phila., \$4,000. Architect, private plans. Owners, Horn & Hardart Co., 204 S. War-nock street, Phila. General alterations. Contract awarded to John N. Gill Const. Co., 121 N. Broad street.

Pennsylvania Construction News

Church, Bridgeport, Pa. Architect, C. J. Cammiskey, 86 West Sharpnack street, Philadelphia. Owners, Our Mother of Sorrows Roman Catholic Church, Rev. J. Tomko, Bridgeport, Pa. Stone, 1 story. Plans in progress.

Residence, Ingerbord and Indian Creek roads, Overbrook. Architect, not yet selected. Owner, M. H. McCloskey, 1620 Thompson street, Philadelphia. Work contemplated. Site purchased.

Bank Building, Reedsville, Pa. Architect, George S. Idell, Corn Exchange Building, Philadelphia. Owners, Reedsville National Bank, Reedsville, Pa. Brick, limestone, 1 story, 36x60 feet, slag roof, terrazzo and linoleum floors, vapor heat, electric light, bank screens. Preliminary plans in progress.

Sewage Disposal Plant, Marcus Hook, Pa. Engineer, C. F. Baker, Marcus Hook, Pa.

Owners, Borough of Marcus Hook, T. Quann, Marcus Hook, Pa. Work contemplated. Preliminary plans in progress.

Residence, Wallingford, Pa. Architect, Frank C. Watson, 302 Crozer Building, Chester, Pa. Owner, name withheld, care of architect. 2½ stories, 30x15 feet and 14x16 feet. Plans in progress.

Residences (row), Chester, Pa. Architect, Frank C. Watson, 302 Crozer Building, Chester, Pa. Owner, name withheld, care of architect. Brick, stucco, 2 stories. Plans in progress.

Bank, Reading, Pa. Architect, not yet selected. Owners, Penn Trust Bank, Mr. Hager, president, Reading, Pa. Work contemplated.

Mausoleum, Bethlehem, Pa. Architect, C. J. Lappley, Parkside Building, Harrisburg, Pa. Owners, The Memorial Park Mausoleum Co., H. Van Gunten, Bethlehem, Pa. Tile, marble. Plans in progress.

Residence, 3-Car **Garage**, Haverford, Pa. Architect, J. L. Conaroe, 1518 Walnut street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 72x30 feet, wing 22x20 feet, shingle roof, hot water heat, electric light. Plans in progress. Ready for bids in 6 weeks.

Apartment House, Chester, Pa. Architect, Alvin C. Bieber, 1520 Locust street, Philadelphia. Owner, name withheld. Frame and brick, 4 stories, 60x120 feet, irregular, 14 apartments, slag roof, hardwood floors, plastering, stucco, metal windows, aquai stone, electric light, tile work. Plans in progress. Ready for bids in 10 days.

Apartment Hotel (add.), Overbrook, Pa. Architects, Sloan & Robertson, 420 Lexington avenue, New York. Owners, Green Hill Farms, Morris Wood, Overbrook, Pa. Stone, brick, steel. Plans in progress. Will be ready for bids in March, 1928.

North Wing, State Office Building, Harrisburg, Pa. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa., and Arnold H. Brunner Co., 101 Park avenue, New York. Owners, State of Pennsylvania, Department of Property and Supplies, State Capitol, Harrisburg, Pa. Owners ready for bids due January 4th.

Y. W. C. A., Williamsport, Pa., \$300,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Y. W. C. A., Mrs. H. W. Whitehead, 30 Central avenue, East Williamsport, Pa. Brick, steel, 4 stories and basement, 252x65 feet, slate roof, hollow tile, elevators, safety treads, roof ventilators, iron stairs, bond, fire doors, tile, terrazzo, metal lath (heating, plumbing and electric separate). Architects ready for bids.

Sales and Service Station, Chester, Pa. Architect, Philip S. Tyree, 114 South Fifteenth street, Philadelphia. Owner, S. B. Francis, Chester, Pa. Brick, cast stone, steel, cut

On the Ground When Wanted

CLAUSEN
TERRA COTTA

FLUE LINING
WALL COPING
SEWER PIPE
HOLLOW TILE
ETC.

ORDERS GIVEN ATTENTION THAT SATISFY

*Our Large Stock assures continuance of our custom—established
years ago—of maintaining a dependable source of supply for*

TERRA COTTA

William H. Clausen

27th and Diamond Sts., Philadelphia

Columbia 6526-6527

Park 4981

stone, 1 story and basement, 55x150 feet, slag roof, cement floors, plumbing, steam heat, marble and terrazzo work, rolled steel sash, bond, ornamental iron work. Architect taking bids due December 12th.

Residence No. 602, Swarthmore, Pa. Architect, J. Linerd Conarroe, 1518 Walnut street, Philadelphia. Owner, Louis Coles Emmons, Swarthmore, Pa. Stone, steel, 2½ stories and basement, 56x74 feet, slate roof, oak and pine floors, cement work, plumbing, hot water heat, electric light, metal lath, tile and marble work, bond, iron work, plumbing. Architect taking bids due December 16th.

Hosiery Mill, Reading, Pa. Engineers, Nuebling & Mast, 519 Penn street, Reading, Pa. Owners, Busy Bee Hosiery Co., Fairmount and Alton avenues, Northmont, Pa. Brick, steel, 2 stories, 180x107 feet, concrete roof and floors, roof ventilators, waterproofing and dampproofing, iron stairs, steel rolling doors, steel sash and skylights. Engineers taking bids due December 10th.

Lindbergh Bridge, No. 72, Darby Creek, Delaware County, Pa. County engineer, Media, Pa. Owners, Commissioners of Delaware County, G. T. Wades, Media. Owners taking bids due December 13th, 11 A. M. Deposit, \$10, refunded, if returned within 10 days. Certified check, \$17,500. Reinforced concrete arch span 250 feet, approach girder span 60 feet each, walls, approach fills, paving, etc.

Miscellaneous Equipment, Gratersford, Pa. Engineers, Day & Zimmerman, 1600 Walnut street. Owners, Board of Trustees, Eastern Penitentiary, Twenty-first and Fairmount avenue, Philadelphia. Engineers taking bids due December 8th.

School (add.), Glenside, Pa. **Junior High School**, Wyncote, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Board of Education, B. Wunderle, Cheltenham Township, Pa. Low bidders: Glenside add.—W. L. Redditt, 222 Ashby road, Upper Darby, Pa., \$47,446; Roy Randall, Jenkintown, Pa., \$48,804; heating, Bowers Brothers, 2015 Sansom street, Philadelphia, \$10,790; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$1,848; electric, E. Nusbaum & Bro., 2023 Sansom street, \$3,264.63. Junior High School, Wyncote, Pa.—Bowden, 1607 Summer street, Philadelphia, A-1, \$192,488; B-1, \$190,148; Sinclair & Grigg, 1518 Walnut street, Philadelphia, A-1, \$192,700; B-1, \$192,500; heating, Bowers Brothers, 2015 Sansom street, Philadelphia, \$38,450; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$13,666; electric, E. Nusbaum & Bro., 2023 Sansom street, \$8,578.

Garage and Service Station, Fifth and Penn streets, Chester, Pa. Architect, A. Coshland, Chester, Pa. Owners, Margolin, Fogel & Cohen, Chester, Pa. Architect taking bids due December 14th.

Garage, Dormitory and Superintendent's House, West Chester, Pa. Architect, E. William Martin, Dupont Building, Wilmington, Del. Owners, Chester County Hospital, West Chester, Pa. Hollow tile, stucco, 1, 2 and 1½ stories, various sizes, concrete and hardwood floors, electric light, tile work. Plans in progress.

Residence (alts.), 246 Bowman avenue, Merion, Pa. Architects, Hahn & Baylinson, 729 Chestnut street, Philadelphia. Owner, Josef Hoffman, Merion, Pa. Architects taking bids due December 14th, 11 A. M.

Stores (10), West side Old York road, North of Woodlawn road, Abington Township, Pa. Architect, Karl F. Otto, 1828 Arch street, Philadelphia. Owner, J. Zussman, care of Herkness & Stetson, Packard Building. Brick, 2 stories, 21x56 feet, 16x56 feet, 20x56 feet, slag roof, hardwood floors, hot water heat, electric light, plate glass, copper bulks, apartments on second floor. Architect taking bids due December 15th.

Residence and Garage, Royersford, Pa. Architects, McIlvaine & Roberts, Otis Building, Philadelphia. Owner, Mrs. Ira D. Latshaw, Royersford, Pa. Brick, 2½ stories and basement, 57x18 feet, wing 59x19 feet, shingle roof, oak, pine and cement floors, plumbing, flagstone, ornamental iron work, bond, tile work, electric light, vapor heat. Architects taking bids due December 14th.

Road Work, Pennsylvania. Owners, Department of Highways of Pennsylvania, Harrisburg, Pa. Owners taking bids due December 16th, at 10 A. M.

Berks County, R-381, Sec. 2, Birdsboro Borough, 505 feet. Grading and drainage. Certified check, \$500.

Blair and Huntingdon Counties, R-260, Sec. R-2, Catharine and Morris Townships, 8,691 feet. One course reinforced concrete. Certified check, \$2,500.

Clearfield County, R-234, Beccaria Township, A-4069, 10,705 feet. One course reinforced concrete. Certified check, \$2,000.

Crawford County, R-294, Sec. 1, Fairfield Township, 12,209 feet. One course reinforced concrete. Certified check, \$2,500.

Crawford County, R-295, Sec. 1, Summerhill Township, 15,192 feet. One course reinforced concrete. Certified check, \$3,000.

Lebanon County, A-4688, Heidelberg and South Lebanon Townships, 23,000 feet. Bituminous surface treated macadam surface course. Certified check, \$2,000.

Mercer County, R-238, Spur A, Hickory Township, Farrell Borough, 7,756 feet. One course reinforced concrete. Certified check, \$1,500.

Monroe County, R-169, A-4156, Paradise Township, 4,940 feet. One course reinforced concrete. Certified check, \$1,500.

Westmoreland County, R-302, A-4911, Cook Township, 6,200 feet. One course reinforced concrete. Certified check, \$1,500.

Westmoreland County, R-348, A-4908, Washington Township, 27,046 feet. One course reinforced concrete. Certified check, \$4,000.

Sewers (7), Borough of Norristown, Pa., \$20,000. Owner, Borough of Norristown, J. A. Rhodes, Norristown, Pa. Owner taking bids due Dec. 28th, 7 P. M.

Locker House, Whitmarsh Valley, Pa. Architect, J. W. Thompson, 703 S. 60th street, Phila. Owner, Whitmarsh Valley Country Club, Whitmarsh, Pa. Architect taking bids due Dec. 10th.

Corrugated Metal Building, Haverford Township, Pa. Owners, Commissioners of Haverford Township, H. Fritschman, Oakmont, Pa. Size of building, 25x30 feet side-walks, 12 to 14 inches in height. For information apply A. C. Williams, Oakmont, Pa. Owner taking bids due Dec. 12th, 7.30 P. M.

Pennsylvania

Contracts Awarded

Garage and Greenhouse, Ithan, Pa. Architect, private plans. Owner, Mrs. Frank Y. Griswold, on premises. Hollow tile, brick, steel, 1 story, 20x40 feet, 15x30 feet, cement

The Patent Scaffolding Company

**INTERIOR AND EXTERIOR
SCAFFOLDS OF ALL TYPES
ERECTED FOR
BRICK MASONS
DECORATORS
PAINTERS
PLASTERERS
STONE SETTERS
BRICK POINTERS**

**SWINGING SCAFFOLDS
FOR
SALE OR RENT**

2835 Bridge St., Philadelphia

**Bell, Jefferson 4501
Keystone, East 8912**

PILES, FOUNDATIONS CAISSONS

**ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.**

**1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative**

**WE SELL
With or Without Service**

**FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete**

**Experts to supervise or install furnished
if desired**

**BUILDERS SPECIALTY CO., Inc.
1844 North Front Street, Philadelphia
Phone—Regent 5911 Park 1373**

**"ORTHITE" Products for Every
Requirement in Concrete**

Conkling-Armstrong Terra Cotta Co.

**Manufacturers of
ARCHITECTURAL TERRA COTTA
All Colors and Finishes**

**We offer the services of our organization for consultation, approximations of cost,
engineering or construction without obligation—pleased if we can be of service.**

**Offices—Insurance Co. of No. America Bldg.
16th and Parkway**

**Plant
Wissahickon Ave. & Juniata St.
Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia**

floors, shingle roof, painting, dampproofing, ornamental iron work, cinder concrete block. Contract awarded J. S. Cornell & Son., 1528 Cherry street, Phila.

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

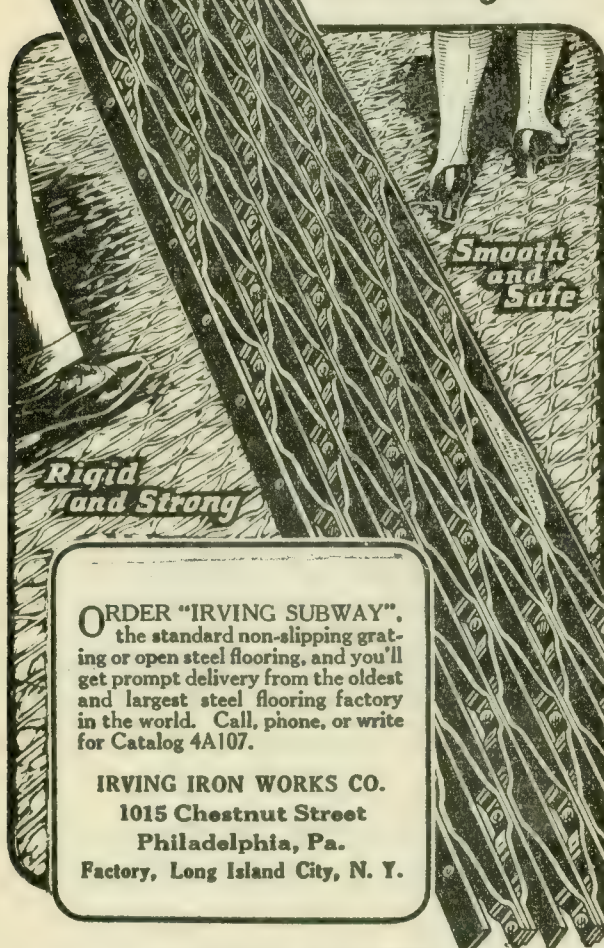
ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

*Always-When You Need
Gratings—*



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
SUBWAY
FLOORING**

West End High School (add.), Lancaster, Pa. Architect, C. E. Urban, Woolworth Building, Lancaster, Pa. Owners, Lancaster School District, Prince and Chestnut streets, Lancaster, Pa. Fireproof, 3 stories, 146x200 feet, composition roof, linoleum floors, hollow tile, safety treads, roof ventilators, metal weather strip, waterproofing and dampproofing, architectural terra cotta, cast stone, area gratings, iron pipe, brass pipe, ornamental iron, iron stairs, bond, fire doors, skylights, tile, marble, metal lath. Contracts awarded: John H. Wickersham, Appel Building, Lancaster, Pa., \$308,500; plumbing, Bard-Will Co., 116 South Queen street, Lancaster, Pa., \$28,619; heating and ventilating, Evarts & Overdeer, 1 Howard avenue, Lancaster, Pa., \$72,980; electric, Mitchell & Co., 1337 McFerren street, Phila., \$22,300.

Gymnasium Building, Reading, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Board of Education, Oscar B. Heim, secretary, Eighth and Washington streets, Reading, Pa. Brick, steel, cut stone, reinforced concrete, 2 stories and basement, 9x5242 feet, built-up roof, composition, cement and maple floors, hollow tile, safety treads, roof ventilators, metal lath, tile and marble, steel skylights, hollow metal doors, bond, floor hardener, ornamental iron, area gratings, membrane waterproofing, integral waterproofing. Contracts awarded to Reider & McLaughlin, 1504 Alsace road, Reading, Pa., \$145,610; plumbing, Wasner & Reddig, 206 North Sixth street, Reading, \$35,000; heating and ventilating, Corbit Brothers, 147 North Fifth street, Reading, \$55,500; electric, H. P. Foley Co., 34 South Seventeenth street, Philadelphia, \$5,185.

Theatre, Upper Darby, Pa. Architect, W. H. Lee, Schaff Building, Philadelphia. Owners, Green & Willig, Schaff Building, Philadelphia. Brick, cast stone, steel, 2 stories and basement, 159x144 feet, asbestos built-up roof, integral waterproofing, cement and composition floors, hollow tile, marble and terrazzo work, rolled steel sash and skylights, hollow metal sash and doors, bond, ornamental iron work, iron pipe, area gratings, rubber tile floors, plumbing, metal toilet partitions, automatic sprinkler. Contract awarded S. A. Sims & Co., 2315 Walnut street, Philadelphia.

Parochial School and Chapel, Brookline, Pa. Architects, Stackhouse & Donohoe, 266 South Fifteenth street, Philadelphia. Owners, Roman Catholic Church of the Annunciation, Rev. J. P. Cahir. Stone, 2½ stories and basement, 94x54 feet (plumbing, heating, electric reserved), slag roof, cement and pine floors, metal lath. Contract awarded James Kelly Const. Co., Bulletin Building, Philadelphia.

Swimming Pool, Lincoln Highway, Somerton, Bucks County, Pa. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Reinforced concrete,

75x100 feet, filters, lockers, etc. Contract awarded Mason & Cullen, Ardmore, Pa.

Store Building and Garage, Oaklane Terrace, City Line, Lower Merion Township, Pa. Architects, Heacock & Hokanson, 1211 Chestnut street, Philadelphia. Owner, S. G. Scattergood, Mutual Trust Building, 1518 Walnut street. Brick, cut stone, 1 story and basement, steel, 120x75 feet, slag roof, pine and cement floors, metal ceilings, ornamental iron work, bond, tile work, metal lath, electric light, hot water heat. Contract awarded F. K. Wilkinson, Aldan, Pa.

Auto Greasing and Washing Station, Rittenhouse Place, Ardmore, Pa. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owner, H. J. Rittenhouse, Ardmore, Pa. Contract awarded N. W. Bryan, 10 South Eighteenth street, Philadelphia.

Store and Show Room (alts.), 408 Penn street, Reading, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owner, H. C. Samuels, on premises. New front, interior alterations, tile and marble. Contract awarded Sharp Const. Co., 22 North Fifth street, Reading, Pa.

Commercial Building, Pottsville, Pa. Architect, H. R. Heckman, Baer Building, Reading, Pa. Owners, Hen Johnson, Inc., 645 Penn Side, Reading, Pa. Cinder block, steel, 1 story and basement, 50x85 feet, composition roof, maple and cement floors, steam heat, electric light, steel sash. Contract awarded L. H. Focht & Son, Baer Building, Reading, Pa.

School Building, State Line, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, State Line, Pa. Contract awarded to Asbestos Building Co., Liberty Title & Trust Building, Philadelphia.

Miscellaneous Armory Work, Pennsylvania. Architect, Philip H. Johnson, Widener Building, Philadelphia. Owners, Armory Board of State of Pennsylvania, Harrisburg, Pa. Contracts awarded as follows—Norristown: Frank R. Heavner, Norristown, Pa., \$76,500; plumbing, Chrisman & Quillman, Norristown, Pa., \$2,400; heating, Chrisman & Quillman, Norristown, Pa., \$5,754; electric, Chrisman & Quillman, Norristown, Pa., \$3,194. Lancaster: Drill shed, J. C. Snyder, Selinsgrove, Pa., \$57,777; plumbing, P. E. Gutfleisch, Lancaster, Pa., \$2,567; heating, Musselman & Schwarz, Lancaster, Pa., \$5,957; electric, Lancaster Elec. Sup. Co., Lancaster, Pa., \$2,095. Altoona Armory: F. D. Boyer, Tyrone, Pa., \$15,600; plumbing, Trout & Taughimbourg, Altoona, Pa., \$1,779.58; heating, Trout & Taughimbourg, Altoona, Pa., \$1,337.24; electric, C. P. Snyder, Tyrone, Pa., \$1,960. Williamsport: Stable and gun shed, Dresser Co., Williamsport, Pa., \$30,587; plumbing, W. T. Reed, Williamsport, Pa., \$2,301; heating, A. B. Hunt, Williamsport, Pa., \$650; electric, Prior & Fallad Co., Williamsport, Pa., \$1,200.34.

Residence, Garage and Servants' Quarters, State road and Matthewson Way, Lower Merion Township, Pa. Architects, Gilmore & Barthmaier, 1518 Walnut street, Philadelphia. Owner, Clarence J. Gallagher, Wynnewood, Pa. Stone, brick, cut stone, steel, 2½ stories and basement, irregular, slate and shingle roof, oak, pine and cement floors, celotex, electric light, metal lath, tile and marble work, bond, ornamental iron work. Contract

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Bell Telephone

JOHN W. LEWIS
HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS

3935 SANSOM STREET, PHILADELPHIA

Keystone Telephone

awarded I. Demarest, 10 South Eighteenth street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa.

Somerset County, A-362, Shade Township. One course reinforced concrete. Contract awarded Windber Const. Co., Windber, Pa., \$26,937.15.

Erie County, R-85,295, Albion Borough. Bituminous surface course. Contract awarded M. A. McCormick, Erie, Pa., \$32,206.48.

McKean County, R-100, S-2, Otto Township. One course reinforced concrete. Contract awarded J. C. Devine, Alliance, Ohio, \$75,662.48.

Lancaster County, R-527, Eden Township, Quarryville Borough. One course reinforced concrete. Contract awarded J. Miller Ashelman, Landisville, Pa., \$64,561.12.

Dauphin County, R-1, Upper Paxton Township. Grading and drainage. Contract awarded Swanger & White, Lebanon, Pa., \$17,006.50.

York County, A-4929-30, Shrewsbury Township, New Freedom Borough. One course reinforced concrete. Contract awarded Harry T. Campbell Sons Co., Towson, Md., \$50,950.17.

Clearfield County, R-276, Sec. 2, Gulich Township. One course reinforced concrete. Contract awarded W. C. Quick & Co., Brookville, Pa., \$146,353.40.

Road Work, Pennsylvania. Owners, Penna. Dept. of Highways, Harrisburg, Pa. Allegheny Co., R-115, Spur, Sec. 2, Findley Township. One course reinforced concrete, \$105,965.56. Contract awarded McPherson Bros., Edgeworth, Pa. uBtler Co., R-246, Cranberry and Jackson Townships. One course reinforced concrete, \$283,218.28. Contract awarded Paul R. Beals, Buffalo, N. Y. Northumberland and Union Counties, R-460, Delaware and Gregg Townships. One course reinforced concrete, \$56,167.87. Potter County, A-3809, Harrison Township. One course reinforced concrete, \$49,139.17. Contract awarded D. L. Dennis, Hazleton, Pa. Greene Co., R-111, S-7, Franklin Township. Grading and drainage, \$6,677.35. Contract awarded W. K. Reed, Waynesburg, Pa.

New Jersey Construction News

Residences (8), 3073-87 Mickel street, Camden, N. J., \$4,000 each. Architect, private plans. Owners, Davies Bros. Co., 1014 N. 27th street, Camden, N. J. Brick and block, 2 stories, 16x32 feet, slag roof, hot water heat, electric light. Permit issued.

Garages (13), 3048-94 Carman street, and 3041-87 Carman street, Camden, N. J., \$4,600. Owners, Davies Bros. Co., 1014 N. 27th street, Camden, N. J. Block, 1 story 8x18 feet, slag roof, cement floors. Permit issued.

Y. M. H. A. and Y. W. H. A., Sixth and Market streets, Camden, N. J. Architects, Edward & Green, Camden, N. J. Owners, Y. M. H. A. and Y. W. H. A., L. Liberman, Camden, N. J. Sketches drawn.

Pump Stations (2), Reservoir, Sewage System, Mt. Ephraim, N. J., \$300,000. Owners, County Commissioners, Mt. Ephraim, N. J.

Project approved. Will take bids in spring, 1928.

Residence and Garage, Tavistock Boulevard, Haddonfield, N. J. Architect, H. E. Hall, Merchantville, N. J. Owner, E. G. Strang, Haddon Heights, N. J. Brick, 2½ stories, 41x32 feet, 20x24 feet, hot water heat, electric light, hot water or vapor heat, tile, plumbing, slate roof, hardwood and cement floors, copper flashings. Plans completed. Owner taking sub-bids.

Church, Atlantic City, N. J. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, First Church of Christ Scientist, Atlantic City. Stone, 1 story. Ready for bids January 15th.

North Treatment Work, Thirty-second and Farragut streets, Camden, \$325,000. Engineers, Remington & Vosbury, 509 Cooper street, Camden, N. J. Owners, Department of Public Works, W. D. Sayres, Jr., City Hall, Camden, N. J. Capacity of 3,000,000 gallons. Plans completed. Will take bids in January, 1928.

Work Shop, near Trenton, Mercer County, N. J. Architects, W. W. Slack & Son, Trenton Trust Building, Trenton, N. J. Owners, Mercer County Board of Freeholders, George Hutchinson, Commissioner, Court House, Trenton, N. J. Brick, steel, 2 stories and basement, 45x112 feet, slag roof, concrete floors, electric light, iron stairs. Owners ready for bids.

Residences (2), 201-03 Clearfield street, Trenton, N. J., \$11,500. Architect, private plans. Owner, James Birks, 714 Quinton avenue, Trenton, N. J. Brick, shingle, 2½ stories, 28x45 feet, slate and tin roof, hot water heat, electric light. Permit issued.

Residences (2), 1014-16 Lyndale avenue, Trenton, N. J., \$6,000. Architect, private plans. Owner, Frank Dereskiewicz, 102 Lakeside avenue, Trenton, N. J. Concrete block, 2½ stories, 20x79 feet, slate roof, yellow pine floors, hot water heat, electric light. Permit issued.

Dining Hall and Kitchen, State Colony for Feeble Minded Males, New Lisbon, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Low bidders: Plumbing, Fred Waackenhut, 2416 Frankford avenue, Philadelphia, \$2,000; heating, William H. Walters & Sons, 1314 North Carlisle street, Philadelphia, \$8,899; electric, Jackson Elec. Co., Forst Richey Building, Trenton, N. J., \$4,793.

Residences (2), 1120-22 South Collings road, Camden, N. J., \$8,000 total. Architect, private plans. Owner, Marco Villecco, North-

mont, N. J. Brick, 2 stories, 15x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton,

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue
West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

TILE
MARBLE
MOSAIC
CERAMICS

Camden Tile Co.

1484 Bradley Avenue
CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

PHILADELPHIA

yesterday



and Today



*Northwest
Corner
Broad and
Chestnut
Streets*

THE home of the Girard Trust Company, one of the most architecturally beautiful banking structures in Philadelphia, follows the lines of the Pantheon, in Rome, Italy. McKim, Meade & White of New York, in collaboration with Allen Evans of Philadelphia, were the designers, while George A. Fuller & Company of Philadelphia were the builders.

THE VAN SCIVER CORPORATION

Producers and Distributors • Building Materials

EXECUTIVE OFFICES—THE PARKWAY AT 24TH STREET, PHILADELPHIA

Directory of Architectural and Building Trades of Philadelphia 1928

NOW BEING COMPILED AND WILL GO TO
PRESS SOON AND BE IN HANDS OF
ARCHITECTURAL AND BUILDING
TRADES EARLY IN 1928

To be sure your correct address and Bell and
Keystone phone numbers are properly
listed advise us at once of any changes.

To continuously and effectively focus attention
on your products and service, if you serve
Architects and the Building Trades, do
not overlook the Directory of the Architec-
tural and Building Trades of Philadelphia.

Advertising Rates on Application.

Building News Publishing Co.

1530 CHESTNUT STREET
PHILADELPHIA, PA.

Race 6108-7109

Rittenhouse 9771-2

N. J. Construction of Route 30, Sec. 6 (Revision of 1927, Packers Island to Allerton, Hunterdon County. Earth excavation, rock excavation, borrow, double line reinforced concrete pavement, including (1) bridge consisting of three spans and two small span bridges. Deposit, \$10. Certified check, 10 per cent. Owners taking bids due December 19th at noon.

Road Work, Cape May County, N. J. Owners, Board of Chosen Freeholders of Cape May County, T. Miller Hand, Clerk, Cape May Court House, N. J. Engineer, R. Fendall Smith, County Engineer, Marmora, N. J. Reconstruction, Sea Isle Boulevard, hydraulic sand fill, gravel surface. Certified check, 10 per cent. Owners taking bids due December 14th at 3 P. M.

Viaduct, Sec. 4-A, Route 1, Jersey City, N. J. (Contract No. 9). Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Lowest bidders: Clemente Const. Co., 101 Park avenue, New York, \$469,916.50.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 1, Sec. 3A, Robbinsville Cutoff, Mercer County. Low bidder: James A. Grant, Morrisville, Pa., \$60,678.56.

Route 30, Sec. No. 5, Flemington to Packers Island, Hunterdon County. Low bidders: Hyde-McFarlin Const. Co., Madison, N. J., \$249,045.28.

New Jersey Contracts Awarded

Store and Apartment (add. and alts.), 217 Broadway, Camden, N. J. Architects, Edwards & Green, 540 Federal street, Camden, N. J. Owner, L. Paletz, 217 Broadway, Camden, N. J. Brick, 1 story addition, 18x13 feet, general alterations. Contract awarded M. W. Cooperson, 550 Federal street, Camden, N. J.

Hospital, Trenton, N. J. Architect, W. A. Klemann, First National Bank Building, Trenton, N. J. Owners, St. Francis' Hospital, Sister Alcantara, Chambers and Hamilton streets, Trenton, N. J. Brick, steel, concrete, 4 stories, 170x44 feet, concrete slab roof, maple, concrete and terrazzo floors, hollow tile, elevators (2), safety treads, roof ventilators, metal window guards, ornamental iron, iron stairs, bond, fire doors, steel skylights, steel sash, tile and marble, metal lath. Contract awarded to C. J. Smith Const. Co., 202 Academy street, Trenton, N. J.

Wyoming Tribe, No. 55, 417 Pearl street, Camden, N. J. Architect, Howard E. Hall, Merchantville, N. J. Owners, I. O. R. M., Camden, N. J. Brick, steel, 2 stories and basement, 90x32 feet, slag roof, rubber tile and maple floors, plumbing, cinder concrete block, brass pipe, iron pipe, ornamental iron work, bond, tile work, electric light, metal lath, steam heat, dumb waiters. Contract awarded Camden Const. Co., Camden, N. J., \$39,800.

Store Building, 1011 Broadway, Camden, N. J., \$12,100. Architect, J. C. Jefferis, 312 Market street, Camden, N. J. Owner, William Fitzgerald, 711 Cooper street, Camden, N. J. Brick, 2 stories, 21x98 feet, slag roof. Contract awarded R. Leonard Horlbeck, 1111 Marion street, Camden, N. J.

Building, 433 Lansdowne avenue, Camden, N. J., \$5,000. Architect, private plans. Owner, Charles I. Adkins, 433 Lansdowne avenue, Camden, N. J. Block, 1 story, 90x108 feet, Carey roof. Contract awarded George C. Prince, 212 North Thirty-eighth street, Camden, N. J.

Auto Bridge, Long Port to Ocean City, N. J. Engineers (consulting), Harrington, Howard & Ash, Kansas City. Owners, County, care of Postmaster E. M. Sutton, Ocean City, N. J. Double bascule fan-like bridge, 3,750 feet, vertical clearance when closed, 263 feet. Contract awarded Fred Snare Corp., 1524 Chestnut street, Philadelphia, \$1,000,000.

Building, 240-42 Division street, Camden, N. J., \$3,500. Architect, private plans. Owner, N. Bantwogilo, 240 Division street, Camden, N. J. Block, 1 story add. 34x52 feet. Contract awarded Frank Valeriani, 259 Spruce street, Camden, N. J.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 15, Sec. 11, East Creek to South Dennis, Cape May County. Contract awarded H. Lem White, 3057 Kearsarge road, Camden, N. J., \$277,826.60.

Route 18-S, Pittsgrove to Elmer, Salem County. Contract awarded C. H. Earle, Inc., Georgia avenue and P. R. R., Atlantic City, N. J., \$141,188.34.

Miscellaneous Construction News

Tuberculosis Cabins, site not yet selected. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Benjamin Franklin Post, American Legion, No. 405, care of architect. Architect selected.

Camp Buildings, Bethany Beach, Del. Architect, private plans. Owners, United States Government, War Department, City Hall, Wilmington, Del. Low bidders: Selbyville Mfg. Co., Selbyville, Del., \$44,885; J. M. Hiron, Dover, Del., \$48,007.77.

Barracks Buildings (2), Camp Devens, Mass. Architect, Office of Quartermaster General, Washington, D. C. Owners, United States Army, War Department, Washington, D. C. Brick, reinforced concrete, hollow tile, steam or hot water heat, electric light, mastic cement floors, slate roof, 3 stories and basement, 468x40 feet, 368x40 feet. Low bidders: Van Asdlen Const. Co., Inc., Stock Exchange Building, Philadelphia, \$504,006; N. P. Severins, Chicago, Ill., \$509,600.

Residence, Louisville, Ky. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, Mrs. Eugene Dupont, Owls Nest road, Wilmington, Del. Brick, stucco, 2½ stories, 45x70 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

Residence, Wawaset Park, Wilmington, Del. Architect, E. C. May, Dupont Building, Wilmington, Del. Owner, name withheld. Face brick, 2½ stories, 40x28 feet, (2) 18x27 feet, slate roof, hardwood floors, hot water heat, electric light, tile work. Plans in progress.

School, Oak road, New Castle County, Del. Architects, Guilbert & Betelle, Chamber of Commerce Building, Newark, N. J. Owners, Oak Road District, care of Delaware School Auxiliary, A. J. Taylor, Dupont Building, Wilmington, Del. Plans in progress.

Cottage, Rehoboth, Del. Architect, E. William Martin, Dupont Building, Wilmington, Del. Owner, C. L. Ward, Delaware Trust Building, Wilmington, Del. Frame, 2½ stories, 35x50 feet, shingle roof, pine floors, hot air heat, electric light. Plans in progress.

Cottage, Rehoboth, Del. Architect, E. William Martin, Dupont Building, Wilmington, Del. Owner, George F. Alderson, 222 Walnut street, Wilmington, Del. Frame, 2½ stories, 30x50 feet, shingle roof, pine floors, hot air heat, electric light. Plans in progress.

Residences (4), Hamerton, Del. Architect,

E. William Martin, Dupont Building, Wilmington, Del. Owner, Pierre Dupont, Kennett Square, Pa. Hollow tile, stucco, 2½ stories, 25x30 feet, asbestos shingle roof, hardwood floors, hot water heat, electric light. Owner will build.

Miscellaneous Contracts Awarded

Public School, Gumboro, Del. Owners, State School Building Commission, George S. Williams, chairman, Dover, Del. Contract awarded Farmville Mfg. Co., Farmville, Va., \$83,660. Plumbing awarded Farmville Mfg. Co., Farmville, Va. Heating and electric awarded (Morris & Morris, Salisbury, Md.

Public School, Millsboro, Del. Owners, State School Building Commission, George S. Williams, chairman, Dover, Del. Contract awarded Farmville Mfg. Co., Farmville, Va., \$24,800. Electric awarded Farmville Mfg. Co., Farmville, Va. Plumbing and heating awarded L. Morgan Sons, Salisbury, Md.

School Building, St. Charleston, West Virginia. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, South Charleston, W. Va. Contract awarded Asbestos Building Co., Liberty Title & Trust Building, Philadelphia.

Proposal

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., November 29, 1927. Sealed bids will be opened in this office at 3 p. m., December 28, 1927, for enlarging money order and registry division at the United States post office building, New Brighton, Pa. Drawings and specifications may be obtained from the custodian, or at this office in the discretion of the supervising architect. JAMES A. WETMORE, Acting Supervising Architect.

Repetition tends to create habit, the more often we see, do or hear a thing, the quicker we are likely to be influenced by it. The consecutive appeal of a number of advertisements will develop certain memories and associations tending to overcome the natural habit of procrastination.—Making advertising pay.

CONTRACTORS

Inquiries on prices for
**CAULKING or CAULKING
MATERIALS** addressed to
S. LIBMAN, should be sent
to Post Office Box 33, Philadelphia,
Pa., or phoned to Evergreen 2473.

Yours for Service,

S. LIBMAN

**Caulking and
Caulking Materials**

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop. 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th and Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co. 1320 Race St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.
Builders Specialty Co., Inc. 1844 N. Front St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son. Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway
Builders Specialty Co., Inc. 1844 N. Front St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Truscon Laboratories. 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co. 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSON PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

Lewis, John W. 3935 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard. 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belf Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PANELS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co. 1320 Race St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company. Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

SURETY BONDS

Insurance Co. of North America. 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

TERRA COTTA SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

TILE AND TERRAZZO WORK

Belf Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

TRANSITS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

VENEERS (Wood)

H. C. L. Miller, Inc. 1101 N. Front St., Phila.

WALL BOARD, COMPO BOARD

Ketcham, Howard. 3rd and Girard Ave., Phila.

WALLBOARD



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

BUILDERS' RISKS ARE MANY
but the cost of protection is
trifling.

Don't let a fire, windstorm,
or some other eventuality catch
you with nothing to defray
your loss.

Any North America Agent
will be glad to give you full
information and advice on this
form of insurance, without
obligation.



"ANTI-HYDRO" Prevented Concrete from Freezing in this Building

This building was erected during the winter months. The temperature ranged from 30 degrees down to below Zero.

By using "ANTI-HYDRO" in the concrete, no delay was caused by extremely cold weather. Concrete was poured without freezing on days as cold as 15° F.

"ANTI-HYDRO" was used throughout the mass in the concrete foundation walls, basement floor slab below grade, boiler pit five feet below basement floor and for hardening and waterproofing all concrete floors throughout the building.

All concrete in foundation walls and floor was poured against a 4 foot head of water. "ANTI-HYDRO" accelerated the set of the concrete so that this water condition was easily overcome.

In addition to lowering the freezing point of concrete, "ANTI-HYDRO" also hardens and waterproofs cement mixtures—all in one operation. It is extremely easy to use. Mixes readily with the gauging water without the aid of skilled labor.

"ANTI-HYDRO" has been in continuous use for 23 years. It is the oldest liquid integral compound in existence. Use it on your next job for guaranteed results.

ANTI-HYDRO WATERPROOFING COMPANY
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR

BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE

GERMANTOWN, PA.

TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK

PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA

SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 50
December 14, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

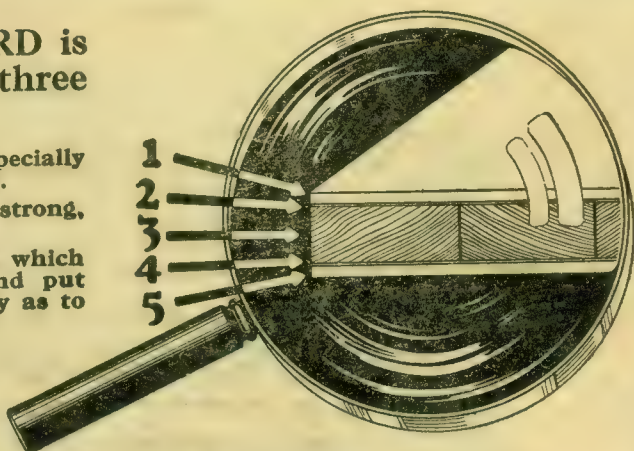
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

4 POINTS of SUPPLY

INSURE

PROMPT DELIVERY

BUILDERS' SUPPLIES

Mixed Concrete Delivered in Trucks
for All Classes of Work

**West Jersey Sand
and
Supply Corp.**

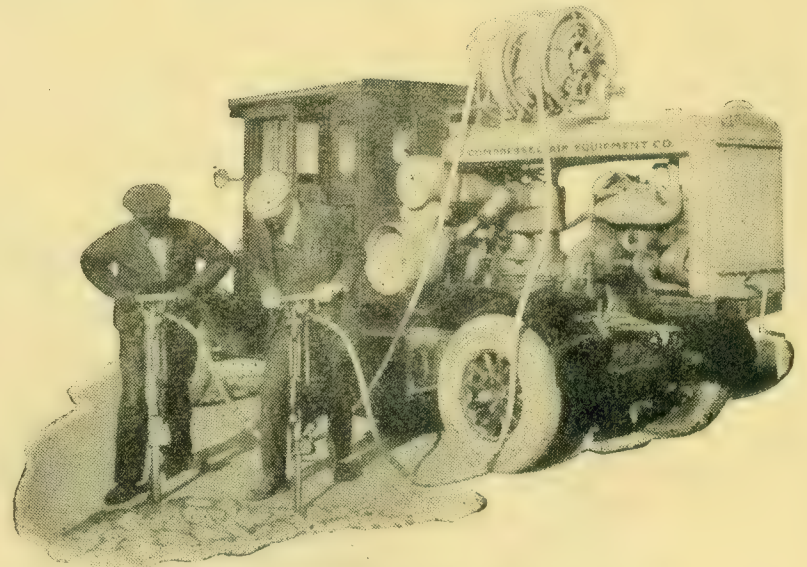
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Pennypacker 9540

Keystone-Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

Bank Vaults, Foundations, Rock or Reinforced Concrete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE
Electric Refrigeration
by

Welsbach

offers direct factory-to-user service, giving decided advantages in prices, deliveries, installation and maintenance. A range of sizes for every need in home refrigeration. Special size for operative builders. Finest quality cabinet work, finish and operating efficiency assures ready acceptance by most discriminating buyer. Exclusive Welsbach features bring a new degree of quietness. An ideal set-up for the builder and seller of modern homes. Telephone Gloucester 166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia



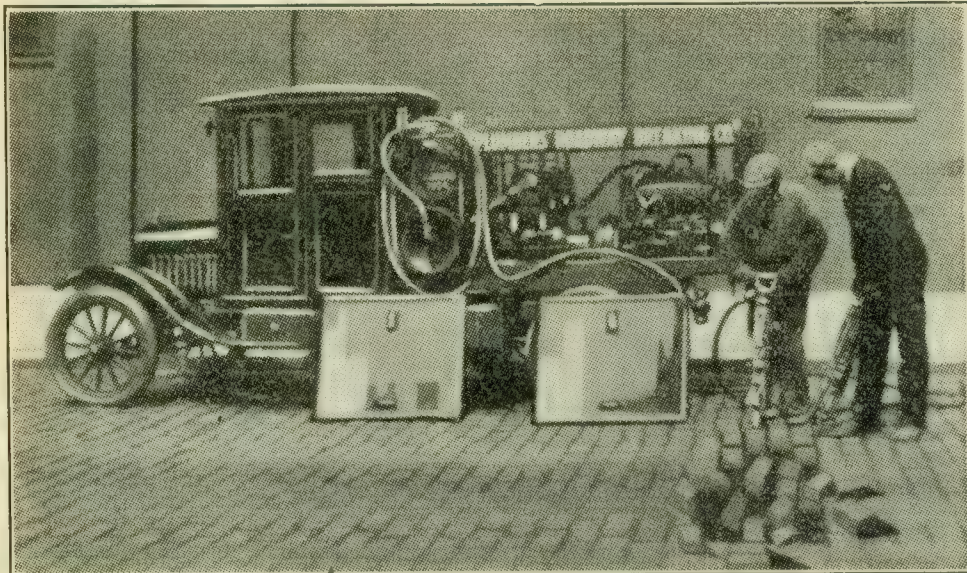
Manufactured by

**CALIFORNIA
STUCCO
PRODUCTS
COMPANY**

of
PHILADELPHIA

1316 Olive St.

Poplar 3523 - Phones - Park 3006

Air Compressors to HIRE
**Street Openings
By Newest and Easiest Method**

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

Jefferson 6800

East 7785

EXPANDED METAL LATH


KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH**

SHEETROCK

WALL BOARD

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



Storage and Service Garage
Sixteenth St. North of Lehigh Ave.
This Installation Includes Both Round and Square Top
Overhead Doors

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS
1526 VINE STREET, PHILADELPHIA, PA.
ILLUSTRATED CATALOGUE SENT ON REQUEST
Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.



WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars
"Page" Wire-Link Fence
"Page" Panel Partitions

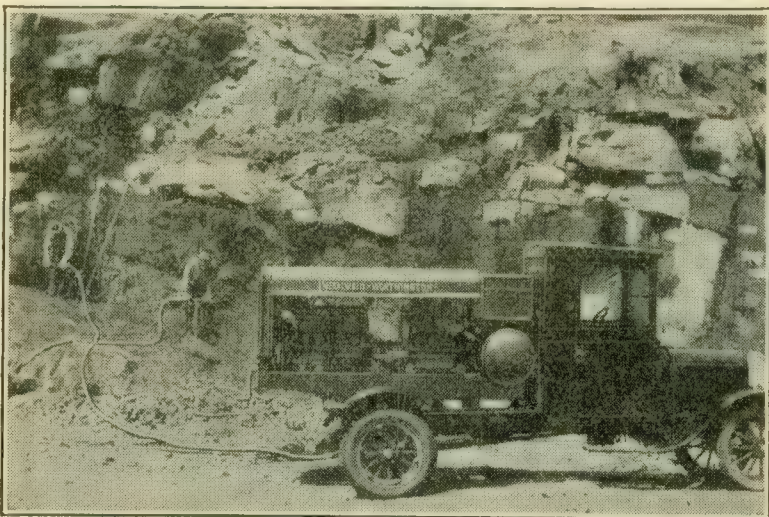
—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street
Regent 7450 Philadelphia, Pa. Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
WITH OR WITHOUT AIR TOOLS

USE **AIR** FOR
ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.
PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural
Engineering and the Building Trades

VOLUME XLII
Number 50

PHILADELPHIA
December 14, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY
BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President
H. A. Lang.....Vice-President
Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year
To all points in Canada..... 10.50 a year
To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF
MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Office Building (add.), Fourth and Walnut streets, Philadelphia. Architect, not selected. Owners, Fire Association of Philadelphia, J. W. Cochran, president, Fourth and Walnut streets, Philadelphia. Granite, steel, 6 stories. Work contemplated.

Residences (21), Englewood and Griscom streets, Philadelphia. Architect, E. Allen Wilson, 1208 Chestnut street, Philadelphia. Owner, Alfred Lechler, Maywood and Lycoming avenue, Philadelphia. Brick, 2 stories, 16x30 feet, slate, slag and asbestos shingle roof, hardwood floors, cement work, hot water heat, electric light, metal lath, tile work. Garage in basement. Plans in progress.

Building (add.), 1701 North Franklin street, Philadelphia. Architect, H. H. Kline, 709 Chestnut street, Philadelphia. Owner, Herman Getson, on premises. Alterations and additions. Plans in progress.

Rodin Museum, Parkway, Philadelphia. Architect, Jacques Gerber. Associate architect, Paul Cret, Otis Building, Philadelphia. Owners, Mastbaum Memorial, care of Stanley Company, 1916 Race street, Philadelphia. Architect will take bids in February, 1928.

Theatre, Twentieth and Market streets, Philadelphia. Architects, Hoffman & Henon, Finance Building, Philadelphia. Owners, The Stanley Company of America, 1916 Race street, Philadelphia. Brick work, architectural terra cotta, waterproofing, concrete and cement work. Architects taking sub-bids due December 19th.

Church, Mt. Airy and Boyer streets, Philadelphia. Architects, H. D. Dagit & Son, 1329 Race street, Philadelphia. Owners, Holy Cross Roman Catholic Church, Rev. W. P. Brady, on premises. Stone, 1 story, 54x140 feet, slate roof. Ready for bids in 10 days.

Office Building, Sixty-ninth and Market streets, Philadelphia. Engineers, William Steele & Sons Co., Fifteenth and Race streets, Philadelphia. Owner, J. H. McClatchey, 11 South Sixty-ninth street, Upper Darby, Pa. Brick, steel, concrete, stone, 3 stories and basement, 140x100 feet, slag roof, maple floors, steam heat, electric light, tile work. Engineers taking sub-bids.

Apartment House, Thirty-third and Columbia avenue, Philadelphia. Architect, C. L. Caspary, 1608 Mitten Building, Philadelphia. Owners, P. Shalita & Son, Dauphin and Ridge avenue, Philadelphia. Brick, cut stone, steel, concrete, 8 stories and basement, cast stone, 3 stories and basement, 110x170 feet, 2 wings, 35x170 feet, slag roof, oak, pine and cement floors, linoleum floors, painting, glazing, plumbing, refrigeration, oil burners, electric light, metal lath, wood sash, kalamein doors, bond, ornamental iron pipe, demolition, kitchen units and medicine cabinets. Architect taking revised bids due as soon as possible.

Broad Street Subway Station at City Hall, Contract No. 180. Architect, private plans. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Copper covered doors, metal louvers, concrete work, mastic waterproofing, structural steel, steel ventilating gratings, hollow tile work, metal lath, safety treads, tile work, painting, bond, marble, Sani-Onyx partitions. Owners taking bids due December 21st.

Cold Storage Building, 314 South Delaware avenue, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Quaker City Cold Storage Co., on premises. Reinforced concrete, brick, 11 stories and basement and pent house, 130x110 feet, asphalt slag roof, composition, cement and mastic floors, hollow tile, safety treads, concrete piling, waterproofing and dampproofing, terra cotta coping, metal lath, rolled steel sash, fire and kalamein doors, bond, floor hardener, iron stairs, ornamental iron work, steel partitions, steel shutters, demolition. Architects taking bids due December 20th.

Bank, Theatre, Store and Arcade, Germantown and Hunting Park avenues. Architect, Oliver Randolph Parry, 1524 Sansom street, Philadelphia. Owners, All-Ken Development Co., Northeast Corner Front and Allegheny avenue. Brick, cut stone, steel, limestone, 1 story, mezzanine and basement, balcony, 227x109 feet, irregular, composition roof, cement and composition floors, safety treads, plumbing, architectural terra cotta, wall finish, area gratings, ornamental iron work, kalamein, fire and hollow metal doors, rolled steel sash and skylights, tile and marble work, metal lath, electric light, oil burners, steam heat, demolition, accustical treatment, steel toilet partitions. Architect taking bids due December 20th.

**DRAWING
MATERIALS**

CHARLES H. ROBBINS Co.
1729-31 Sansom Street, Philadelphia
BELL PHONE, RITTENHOUSE 7630
KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

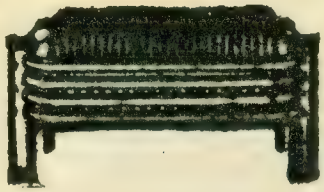
**Structural
Steel**

ROBT. B. LEDERLE & Co.
ENGINEERS AND CONTRACTORS
WITHERSPOON BUILDING
PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard"
Enamelware

REPUBLIC BRASS

**PAWNEE PIPELESS
FURNACE**

Fleck Bros. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

MONTGOMERY IRON & STEEL COMPANY

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

Hospital Building, Conshohocken avenue, West of Fairmount avenue. Architect, Ralph B. Bencker, Thirteenth and Chestnut streets, Philadelphia. Owners, Philadelphia Heart Hospital Association, 311 South Juniper street, Philadelphia. Stone, brick, cut stone, steel, 2 stories and basement, 45x48 feet, wing 36x77 feet, asphalt roof, cement floors, hollow tile, elevators, flagstone, area gratings, ornamental iron work, bond, hollow metal doors, tile, marble work, metal lath, dumb waiter. Architect taking bids due December 15th.

Residence and Garage, Abington avenue, West of Stenton avenue, Philadelphia. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Edward B. Myers, care of architect. Stone, limestone, 2½ stories and basement, 73x28 feet, garage, 19x22 feet, shingle roof, oak and pine floors, plumbing, flagstone, ornamental iron work, tile work, electric work, hot water heat. Architect taking bids due December 16th.

Sales Building, Store and Service Building, Cheltenham avenue, between Ogontz and Garnet streets, Philadelphia. Architects, The Balingier Co., Twelfth and Chestnut streets, Philadelphia. Owners, Felt Brothers, Packard Building, Philadelphia. Brick, steel, 1 story, 100x206 feet, felt and slag roof, cement and terrazzo floors. Architects taking bids due December 21st at noon.

Store Building, Southeast Corner Ninth and Walnut streets, Philadelphia. Architect, I. Demschick, 1701 Chestnut street, Philadelphia. Owners, Fidelity Loan Co., Ninth and Walnut streets, Philadelphia. Brick, steel, limestone, 3 stories and basement, 85x29 feet, slag roof, cement and pine floors, steam heat, electric light. Owners taking bids due December 15th.

Residence, Phil-Elena street, East of Crittenden, Philadelphia, \$18,000. Architect, Ralph White, Pennsylvania Building, Philadelphia. Owner, C. C. Eddleman, 1627 Sansom street, Philadelphia. Stone, steel, concrete block, 2 stories and basement, slate roof, oak and pine floors, cement floors, plumbing, hot water heat, electric light, metal lath, tile work, ornamental iron, painting, glazing, screens. Permit issued.

Pennsylvania Railroad Work, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due December 16th. No. 129, crossing frogs and switches. No. 130, cropping of rail.

Galvanized Enclosure, Forty-ninth and Gray's Ferry avenue, Philadelphia. Owners, Department of Public Works, 216 City Hall. Owners taking bids due December 15th at noon. Certified check, 5 per cent.

School, Shawmont avenue and Silverwood street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street.

Owners, Board of Education, Nineteenth above Chestnut street. Brick, cut stone, steel, 3 stories and basement, 162x127 feet. Low bidders: G. H. Evans, 1416 Vine street, Philadelphia, \$404,883; P. H. Kelly, 1713 Sansom street, Philadelphia, \$409,000; plumbing, J. Borden & Bro., 637 North Nineteenth street, \$20,191; heating, A. McClintock & Co., 5608 Race street, \$40,985; electric, Walker & Kepler, 535 Chestnut street, \$17,123; ventilating, George Wadenfuhr, 812 East Monatawna street, \$1,365.

Miscellaneous Work, Philadelphia. Owners, Department of Public Works, Bureau of Water, 216 City Hall. Low bidders on 908, laying of 30-inch to 48-inch C. I. pipe and connection in Belmont Filter, P. & A. J. Ellis, Fourth below Wyoming avenue, Philadelphia, \$24,619.

Apartment House, Southwest Corner Twenty-first and Tioga streets, Philadelphia, \$100,000. Architect, B. V. Schlein, 6605 North Eighteenth street, Philadelphia. Owner, J. Glansberg, 1769 Gorgas lane, Philadelphia. Brick, 4 stories, 39x131 feet, 47x10 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Permit issued.

Residences and Garages (6), 6701-11 Crittenden street, Philadelphia, \$60,000. Architect, private plans. Owner, John Uber, Stenton and Mt. Pleasant avenues, Philadelphia. Brick, stone, 2 stories, 20x50 feet, hot water heat, electric work, hardwood, pine and cement floors, garages, 1 story, 12x19 feet. Permit issued.

Residences and Garages (6), Dorset street, West of Crittenden street, \$64,500. Architect, private plans. Owner, John Uber, Stenton and Mt. Pleasant avenues, Philadelphia. Brick, stone, 2 stories, 18x59 feet, garages, 1 story, 12x19 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Permit issued.

Sub-Station, Southeast Corner Third and Wyoming avenue, Philadelphia, \$20,000. Owners, Philadelphia Rapid Transit Company, Mitten Building, Philadelphia. Brick, 1 story, 33x78 feet. Permit issued.

Garage (repairs), 1125 Loudon street, Philadelphia, \$2,000. Architect, private plans. Owner, C. Radcliffe, 1125 Loudon street, Philadelphia. Brick, 1 story, 24x75 feet, fire repairs. Permit issued.

Residences (33), South side Brons street, East of Robbins avenue, \$206,200. Architect, private plans. Owners, Aramingo Const. Co., 4208 Viola street, Philadelphia. Brick, 2 stories, 15x37 feet, 11x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

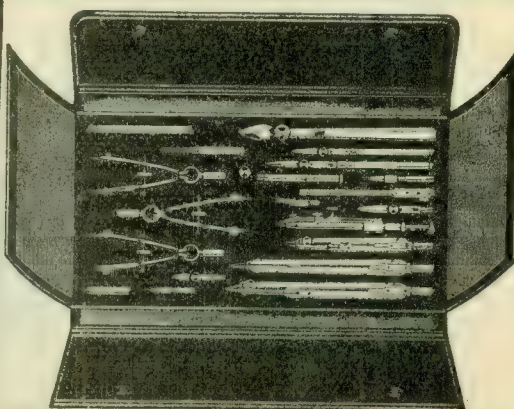
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

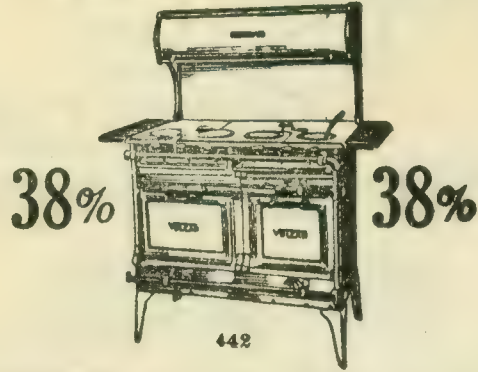
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

KEYSTONE TELEPHONE—RACE 7534

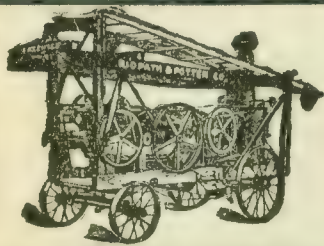
VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES



38% 38%

WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

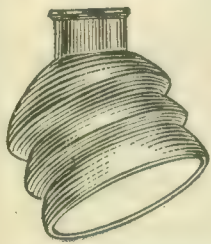
WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414



We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

Residence, South side Warden Drive, West of Vaux street, \$14,500. Architect, private plans. Owner, John McClatchy, Sixty-ninth and Chestnut streets, Philadelphia. Brick, 2 stories, 16x48 feet, hardwood floors, hot water heat, electric light, tile work. Permit issued.

Storage Building, 1438-40 South Franklin street, Philadelphia, \$4,500. Architect, private plans. Owner, A. Tofani, 1447 South Eighth street, Philadelphia. Frame, 1 story, 28x53 feet. Permit issued.

Restaurant and Commissary Building, Watts and Wallace streets, Phila. Architect, I. Demchick, 1701 Chestnut street, Phila. Owner, Linton's Lunch, 655 N. Broad street, Phila. Brick, steel, 3 stories, 50x150 feet. Plans in progress, will be ready for bids in 6 weeks.

High School (add.), Girard and Corinthian avenues, Phila. Architect, John T. Windrim, Commonwealth Building, Phila. Owner, Girard College, Girard Estate, Stephen Girard Building. Granite. steel. Plans in progress, Day & Zimmerman, 600 Walnut street, Philadelphia, will sub-let.

Telephone Exchange Building (Radcliff), 17th and Tioga streets, Phila. Architect, John T. Windrim, Commonwealth Building, Phila. Owner, Bell Telephone Co., 17th and Arch streets, Phila. Brick, stone, steel. Plans in progress.

Telephone Exchange (add.), Belmont and Lancaster avenues. Architect, John T. Windrim, Commonwealth Building, Phila. Owner, Bell Telephone Co., 17th and Arch streets, Phila. Brick, steel, stone. Plans in progress.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Bank Building, Evergreen and Germantown avenues, Chestnut Hill, Pa. Architect, A. H. Brockie, 254 South Fifteenth street, Philadelphia. Owners, Germantown Trust Co., P. M. Taggart, Germantown and Cheltenham avenues, Philadelphia. Brick, reinforced concrete, steel, stone, 1 story, mezzanine and basement, 52x79 feet, gray slate roof, cement, linoleum and rubber floors, plumbing, vapor heat, electric light, oil burners, metal lath, tile and marble work, kalamein doors, fire doors, iron pipe, cinder concrete block, steel toilet stalls, demolition and elevators. Contract awarded W. J. Gruhler Co., 219 East High street, Philadelphia, \$115,000.

Fraternity House, 3745 Locust street, Philadelphia. Architect, Alexander Mackie Adams, 1012 Walnut street, Philadelphia. Owners, Alpha Epsilon Pi Fraternity, on premises. Trick, cast stone, steel, 3 stories and basement, 23x90 feet, slag roof, pine and cement floors (plumbing, heating and electric reserved), metal lath, tile work, bond, ornamental iron work. Contract awarded Schaffer Co., 1600 Arch street, Philadelphia; electric, R. J. Wright, 2315 Walnut street, Philadelphia; plumbing and heating, I. H. English, 1831 Prandywine street, Philadelphia.

Residence, Elbow lane, Germantown, Pa. Architect, Robert R. McGoodwin, 1600 Walnut street, Philadelphia. Owner, Herbert Welsch, Drexel Building, Philadelphia. Brick, stone, limestone, 21 stories and basement,

76x34 feet, 20x23 feet, tile and shingle roof, cement, oak and pine floors, plumbing, vapor heat, electric light, metal lath, tile work, bond, iron work, brass pipe, linoleum floors, iron pipe. Contract awarded Townsend, Schroeder & Wood, Drexel Building.

Garage, Chestnut Hill, Pa. Architect, R. Brognard Okie, 306 South Smedley street, Philadelphia. Owner, J. Wister Morris, Chestnut Hill, Pa. Stone and frame, cut stone, 1½ stories, 26x40 feet, shingle roof, cement and pine floors (plumbing, heating, electric reserved), metal lath, bond, ornamental iron work. Contract awarded C. C. Eddleman, 1627 Sansom street, Philadelphia.

Residence (alts.), 2203 Spruce street, Philadelphia. Architect, William F. B. Koelle, Otis Building, Philadelphia. Owner, C. E. Mildren, 1701 Spruce street, Philadelphia. Bond, carpentry and mill work, plastering, cut stone, ventilating, skylights, painting, glazing, electric work, plumbing, hot water heat. Contract awarded A. V. Gilchrist, Drexel Building, Philadelphia.

Garage, Washington avenue, between Twenty-third and Twenty-fourth streets, Philadelphia. Architect, H. B. Weldon, 1817 Callowhill street, Philadelphia. Owner, Edward M. Harris, Mutual Trust Building, Philadelphia. Brick, steel, 1 story, 75x145 feet, slag roof, cement floors, steam heat, electric light, rolled steel sash, bond, ornamental iron work. Contract awarded Smith-Hardican Co., 1809 Callowhill street.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

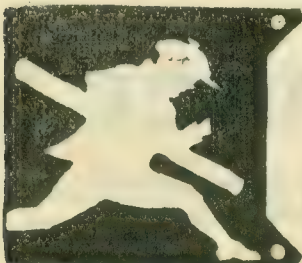
Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555



Church, Venango and Edgemont street, Philadelphia. Architect, Frank R. Watson, 1520 Locust street, Philadelphia. Owners, St. George's Episcopal Mission, care of Episcopal Diocese, 220 South Eighteenth street. Brick, precast stone, steel, 1 story and basement, 43x43 feet, slag and slate roof, cement and pine floors, steam heat, electric light, metal lath, hollow metal sash, bond, ornamental iron work, iron pipe. Contract awarded Irving Demarest, 10 South Eighteenth street, Philadelphia.

Fire Repairs, 1101 Chestnut street, Philadelphia, \$10,000. Architect, private plans. Owners, Girard Estate, 1101 Chestnut street, Philadelphia. Carpentry and mill work, painting, glazing, plastering. Contract awarded F. W. Van Loon, Perry Building, Philadelphia.

Dance Hall and Restaurant, Frankford and Bridge street, Philadelphia. Architect, W. H. Lee, Schaff Building, Philadelphia. Owners, Forum Amusement Co., 5413 Frankford avenue, Philadelphia. Brick, reinforced concrete, steel, 2 stories and basement, 66x56 feet, wing 37x37 feet, asbestos built-up roof, cement, oak, maple and pine floors, plumbing, hollow tile, roof ventilators, metal window guards, metal ceilings, integral waterproofing, vapor heat, electric light, oil burner, metal lath, tile, marble and terrazzo work, rolled steel sash, tin-clad doors, bond, metal bulks, steel pipe, area gratings, sprinkler system, plumbing, precast concrete. Contract awarded David Lutz & Co., Twenty-third and Chestnut streets, Philadelphia.

Theatre, 7137 Germantown avenue, Philadelphia. Architect, William H. Lee, Schaff Building, Philadelphia. Owner, A. H. Tourison, 7014 Boyer street, Philadelphia. Brick, cast stone, steel, 1 and 2 stories and basement, slag roof, cement floors, architectural terra cotta, ornamental iron work, metal lath, tile work, electric light, steam heat. Contract awarded George Kessler Contracting Co., 1733 North Marvine street.

Stores (2) and Offices, 38 Maplewood avenue, Germantown, Pa. Architect, Robert Gill, 5600 Germantown avenue, Philadelphia. Owner, Samuel Emlen, 5600 Germantown avenue, Philadelphia. Brick, steel, 2 stories and basement, 27x60 feet, slag roof, oak, pine and cement floors, metal lath, bond, iron work. Contract awarded C. S. Johnson, 6122 Baynton street, Philadelphia.

Residence (alts.), 2006 Spruce street, Philadelphia, \$13,000. Architect, private plans. Owner, Dr. A. I. Rubenstone, 1204 Spruce street, Philadelphia. General alterations, carpentry and mill work, electric work. Contract awarded Barnett Co., Mitten Building, Philadelphia.

Residence and Garage, Southeast Corner Vaux and Warden Drive, Philadelphia, \$19,800. Architect, private plans. Owner, Owen B. Lewis, 4324 Pine street, Philadelphia. Brick, 2 stories, 37x31 feet, 16x14 feet, garage, 1 story, 19x20 feet, hardwood, pine and cement floors, hot water heat, electric light, tile work. Contract awarded John B. McClatchey, Sixty-ninth and Chestnut streets, Philadelphia.

Garage, West side Leiper street, South of Foulkrod street, \$18,000. Architect, private plans. Owners, P. & E. J. Borat, on premises. Brick, 1 story, 71x123 feet, slag roof, cement floors. Contract awarded John N. Gill

Const. Co., 121 North Broad street.

Garage (alts.), 5122-24 Walnut street, Philadelphia, \$5,000. Architect, private plans. Owner, W. S. Toller, Jr., 5124 Walnut street, Philadelphia. General alterations. Contract awarded O. Hanson, 132 North Fifty-first street, Philadelphia.

Residence (alts.), 222 East Ontario street, Philadelphia, \$2,000. Architect, private plans. Owner, F. Piazza, 6777 Musgrave street, Philadelphia. General alterations. Contract awarded Kanning Brothers, 3359 Frankford avenue, Philadelphia.

Residence and Store (add. and alts.), 7942 Germantown avenue, \$4,000. Architect, private plans. Owners, D'Lauro & Vichion, 7732 Ardleigh street, Philadelphia. Brick, 1 story, 18x33 feet, general alterations. Contract awarded John D'Lauro, 7732 Ardleigh street, Philadelphia.

Garage (alts.), Northwest Corner Snyder avenue and Bancroft street, \$12,000. Architect, private plans. Owner, Mary E. Dwyer, 2513 South Garnet street, Philadelphia. General alterations. Contract awarded W. P. Cameron Eng. Co., Packard Building, Philadelphia.

Store and Residence (alts.), 1432 Master street, Philadelphia, \$8,000. Architect, private plans. Owner, L. E. Goss, 4603 North Broad street, Philadelphia. General alterations. Contract awarded C. Edgar Miller, Jr., 4752 North Camac street, Philadelphia.

Apartment House (alts.), 4130-40 Parkside avenue, \$4,500. Architect, private plans. Owner, H. Merdrick, 6014 Carpenter street, Philadelphia. General alterations. Contract awarded D. Goldstein, 5375 Montgomery avenue, Philadelphia.

Residence, Northwest Corner Ditman and Providence road, Philadelphia, \$19,200. Architect, private plans. Owner, Richard L. Charlton, Southwest Corner Wakeling and Griseom streets, Philadelphia. Stone, 3 stories, 40 feet 4 inches x 26 feet 4 inches, garage, 1 story, 20x20 feet, slate roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Contract awarded George H. Evans, Inc., 1416 Vine street, Philadelphia.

Residence and Store, 2820-22 York street, Philadelphia, \$7,000. Architect, private plans. Owner, Solomon Herring, 2828 West York street, Philadelphia. Brick, 2 stories, 24x48 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded Max Herring, 2943 West Gordon street, Philadelphia.

Residence (add.), 1928 Lansing street, Philadelphia, \$3,000. Architect, private plans. Owner, Desire Vanhoyweghen, 1938 Lansing

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.

S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

WAREHOUSE

DELIVERY

ON

QUARRIES

SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.

220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters
for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

When requiring woodwork
specify

Plywood Panels

Complete stock on hand ready
for immediate delivery

H. C. L. MILLER, Inc.

1101-19 No. Front St., Phila.
Regent 1100 Park 2345

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric s



Write for our descriptive literature &
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murph

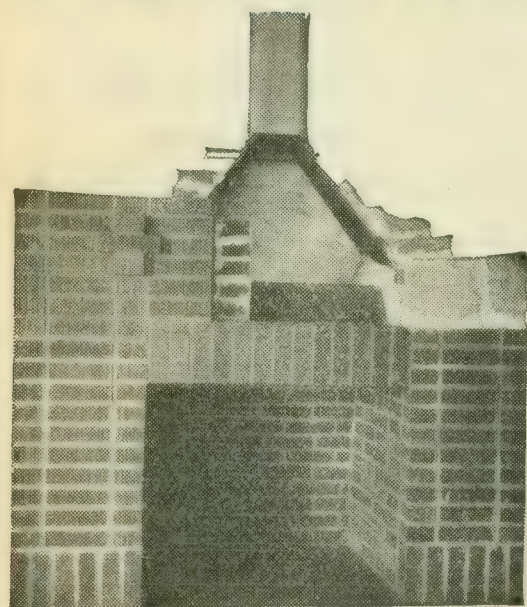
THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

Berk
19 We

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

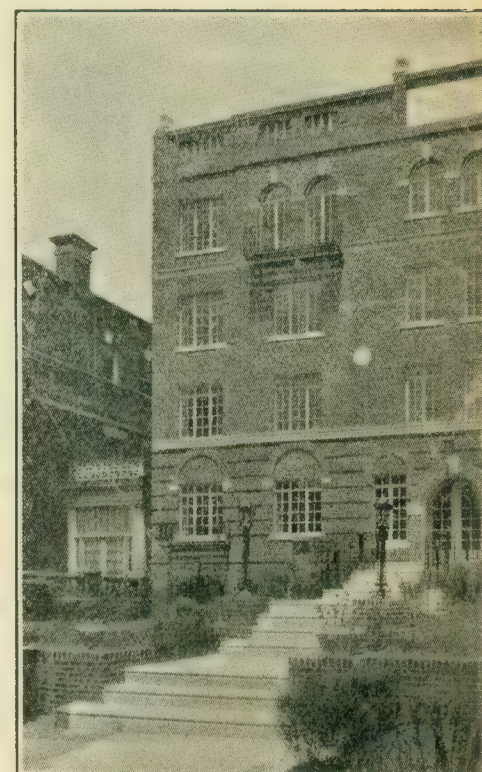
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Cor
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.

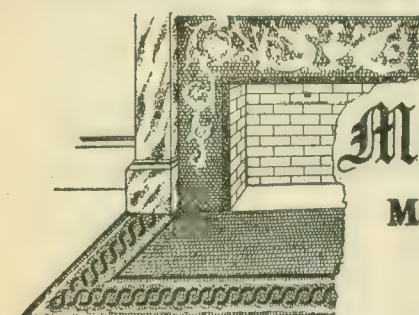


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON ST

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rus
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look

EDS

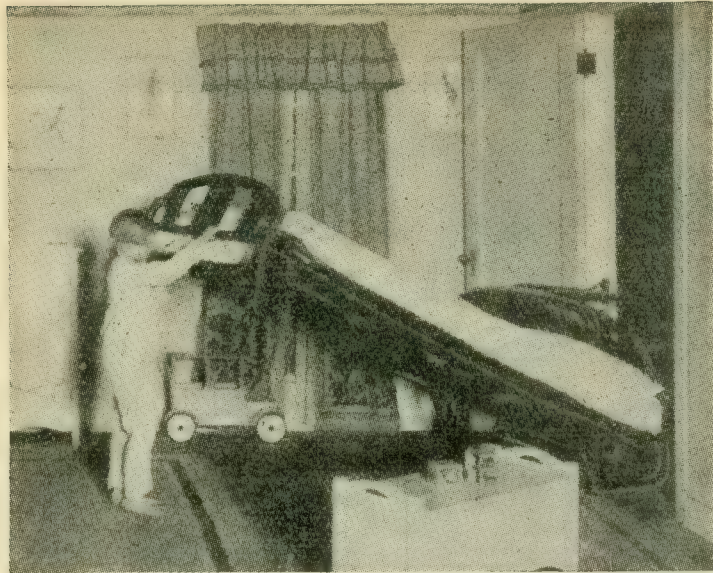
es
gs

all at our
kitchen
boards as
ds

CO.

Building
4th Street
York

BED



A child can operate the bed

Portable, Convenient
here represented sell
Specified Materials or
of their co-operation.



NETEX

rfaces

ks are beginning to show,
Truscon STONETEX.

d the concrete is spalling
opped by the application

s it prevent moisture
so covers the surface
s flat. It does not
masonry.



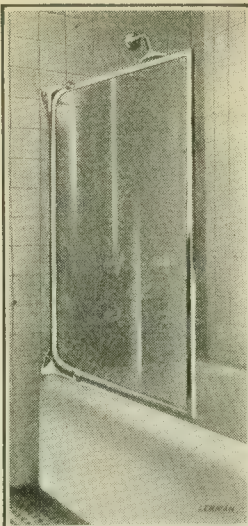
The Truscon
Laboratories

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

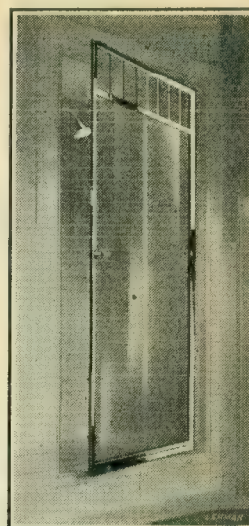
LEHMAN
SPRAYSHIELDS
Instead of Shower Curtains

Plate glass and German silver. Swing out of way. Sanitary, beautiful, watertight, moderate cost. Require no room. Increase sales and rentals. Fit new and old bath rooms. Factory installation. A nationally known Philadelphia patent product. See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

AMERICAN
ALL-METAL WEATHER STRIPS

of superior quality, will last a life time. The heavy guage metal, the double rib and the method of application to windows, with rust proof screws, make AMERICAN METAL WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

Face Brick
Paving Brick

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

CURTIS
WOODWORK

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

street, Philadelphia. Brick, 1 story, 20x22 feet. Contract awarded Modern Home Builders, 3314 Lancaster avenue, Philadelphia.

TRIDENT

WATER METERS

For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Tabular and Continuous Taper
Copper Bearing Steel

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

PILES, FOUNDATIONS
CAISSONS
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

Reinforced Concrete and Cement Work

Get our estimate first on
"THAT CEMENT JOB"

FREDERICK MASSIAH

S. E. Cor. Juniper and Cypress Sts.

Bell Phone—Walnut 4165
Keystone Phone—Race 3760

PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION

BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.

ARROWHEAD STEEL GRATINGS

FRANK PETTIT ORNAMENTAL IRON WORKS

REGENT 9857

1505-15 N. Mascher Street, Phila.

PARK 4147-4148

Sunday School, 53rd and Wyalusing avenue, Phila. Architect, Norman Hulme, 1524 Chestnut street, Phila. Owner, Blockley Baptist Church, J. A. Haines, on premises. Stone, brick, cut stone, steel, 2 stories and basement, 72x80 feet, slag roof, composition and maple floors, electric light, metal lath, marble work, dampproofing, bluestone, wall finish, ornamental iron work, wrought iron pipe, plumbing. Contract awarded Metzger, Fisher & White, Otis Building, Phila.

Residence (alts.), 2032 Spruce street, Phila., \$4,000. Architects, Tilden, Register & Pepper, 1520 Locust street, Phila. Owner, Sidney E. Hutchinson, care of architects. General alterations, carpentry and millwork, electric work. Contract awarded E. R. Hall, 34 S. 17th street, Phila.

Pennsylvania Construction News

Residence and Garages (2), Minden Manor, Wynnwood, Pa. Architects, Henry T. Dagit & Son, 1329 Race street, Philadelphia. Owner, name withheld. Stone, 2½ stories, 20x60 feet, 18x20 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, tile work. Plans in progress.

Store and Apartment, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, care of architect. Brick, steel, 1 and 2 stories, 20x150 feet, Barrett roof, pine floors, steam heat, electric light. Plans in progress.

Residence and Garage, Meadowbrook, Pa. Architect, Carl A. Ziegler, 1012 Walnut street, Philadelphia. Owner, Ralph S. Lees, Melrose Park, Pa. Stone. Sketches in progress.

Bank (add.), Lansdowne, Pa. Architect, C. W. Brazier, Crozer Building, Chester, Pa. Owners, National Bank of Lansdowne, Lansdowne, Pa. Stone, 1 story. Plans in progress.

Residence, Carbondale, Pa., \$40,000. Architect, A. J. Prawdzik, 821 Moosie street, Scranton, Pa. Owner, Ezra Stipp, 63 North Church street, Carbondale, Pa. Brick, 2½ stories. Plans in progress.

Church, Kingston, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Grace Episcopal Church, Rev. Fields, Kingston, Pa. Stone, 1 story and basement. Plans in progress.

Church and Parish House, Wilkes-Barre, Pa. Architect, T. A. Foster, Coal Exchange Building, Wilkes-Barre, Pa. Owners, First Baptist Church, Rev. C. S. Roush, 45 Mallory Place, Wilkes-Barre, Pa. Stone, 1 story and basement. Plans in progress.

Hospital (add.), Nanticoke, Pa. Architects, Mack & Sahm, Coal Exchange Building, Wilkes-Barre, Pa. Owners, Nanticoke

State Hospital, care of Superintendent, Nanticoke, Pa. Brick, 2 stories, 38x62 feet, slate roof, composition floors. Plans in progress.

Stores (add. and alts.), Kingston, Pa. Architect, H. G. Cook, Jr., Miners' Bank Building, Wilkes-Barre, Pa. Owners, West Side Trust Co., D. C. Coughlin, Kingston, Pa. Brick, 3 stories, 38x112 feet, built-up roof, pine floors, electric light. Plans in progress. Architect ready for bids.

Stores and Apartments (7), Garrett road and Huntley avenue, Upper Darby, Pa. Architect and owner, John E. Sindoni, Norwood and McKean streets, Philadelphia. Brick, 2 stories, (6) 16½x57½ feet, (1) 19x60 feet, slag roof, slate roof, hardwood floors, hot water heat, electric light, tile work, flush bulks, plate glass. Owner will build.

Church (alts. and add.), Scranton, Pa. Architect, P. J. Morris, Mears Building, Scranton, Pa. Owners, Lutheran Church, North Main avenue, Scranton, Pa. Brick, stucco, steel, 1 story and basement, 300 seating capacity, slate roof, linoleum floors, vapor vacuum heat, electric light. Plans completed. Will take bids in spring.

Church, Mayfield, Pa. Architect, Lester M. Davis, 616 Spruce street, Scranton, Pa. Owners, St. John the Baptist Russian Orthodox Church, John Nydock, chairman Building Committee, Mayfield, Pa. Brick veneer, 1 story and basement, 44x112 feet. Architect will be ready for bids in March.

Grade School No. 32 and Gymnasium, Scranton, Pa., \$400,000. Architect, Frank J. Miller, Brooks Building, Scranton, Pa. Owners, Scranton School Board, J. Hughes, secretary, 425 North Washington avenue, Scranton, Pa. Fireproof, 2 and 3 stories, 166x142 feet, built-up roof, maple floors, hollow tile, safety treads, roof ventilators, metal window guards, metal weather strip, waterproofing, area gratings, bronze, ornamental iron, iron stairs, bond, fire doors, metal skylights, steel sash, tile, metal lath (heating, plumbing, electric separate). Will take bids first of year.

Store Building, Lansdowne avenue, Lansdowne, Pa. Architect, W. Macy Stanton, Land Title Building, Philadelphia. Owner, Harry E. Patton, National Bank Building, Lansdowne, Pa. Reinforced concrete, brick, east stone, cut stone, 2 stories and basement, built-up roof, cement, maple and pine floors, elevators, plumbing, metal ceilings, waterproofing and dampproofing, area grating, ornamental iron work, granite, bronze grilles, steam heat, electric light, metal lath, tile and marble work, rolled steel skylights. Owner taking sub-bids.

Bank, Gettysburg, Pa. Architects, Simon, Brittain & English, 929 Chestnut street. Owners, Gettysburg National Bank, Gettysburg, Pa. Remodeling, addition, brick, steel, concrete, stone, 43x43 feet, asphalt roof, marble floors, bronze work, heating and lighting extensions. Owners taking bids due December 28th.

Department Store, Ardmore, Pa. Architects, Dreher & Churchman, Otis Building, Philadelphia. Owners, Suburban Co., Ardmore, Pa. Brick, limestone, steel, 4 stories and basement, steam heat, electric light, slag roof, oak and pine floors. Architects taking a preliminary bid.

North Office Building, State Capitol, Harrisburg, Pa. Architects, Sidney F. Ross and William Gehron, 101 Park avenue, New York. Associate architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, Commonwealth of Pennsylvania, Department of Highways. James L. Stuart, secretary, State Capitol, Harrisburg, Pa. Excavation, foundation work, structural steel, reinforced concrete construction and fireproofing, granite, limestone, waterproofing, dampproofing, brick, masonry, interior partitions, metal furring,

plastering, acoustical work, marble, terrazzo, linoleum floors, roofing, skylights, metal window frames and sash, hollow metal work, painting, glazing, carpentry, cabinet work, hardware, ornamental bronze, light iron (heating and ventilation, electric work, plumbing, water supply and vacuum cleaning, electric elevators and dumb waiters separate). Deposit, \$25 (refunded). Proposals of \$500,000 or over must be accompanied by certified check, \$50,000. Proposals less than \$500,000, certified check, 10 per cent. Bond. Owners taking bids due December 28th at 2 P. M.

Residences (96), Forty-fifth to Forty-seventh, Sherwood, Conshohocken avenue. Architect, private plans. Owner, name withheld. Brick, stone, 2 and 3 stories and basement, 16x45 feet, slate roof, hardwood floors, hot water heat, electric light, tile work, fireplaces. W. L. Redditt, builder, 222 Ashby road, Upper Darby, taking sub-bids due as soon as possible.

Hospital, Lima, Delaware County, Pa. Architect, George S. Idell, Corn Exchange Building, Philadelphia. Owners, Delaware County Poor District and Delaware County Commissioners, G. T. Wades, Media, Pa. Brick, terra cotta, 1 story, 150x59 feet, slate roof, concrete and hardwood floors, vapor heat, electric light, tile work. Owners taking bids due December 28th, 11 A. M. Deposit, \$10, refunded. Time limit, 125 days.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. The following have been tentatively listed for a letting, January 26th or 27th, and are announced at this time to give the contractors an opportunity to inspect the projects in the field. Subject to change.

Adams County, A-5260, Menallen Township, 3,450 feet. Bituminous surface treated macadam.

Allegheny County, R-538-1A, Findley-North Townships, 6,231 feet. One course reinforced concrete.

Allegheny County, R-120-2A, North Versailles Township, East McKeesport Borough, 2,850 feet. One course reinforced concrete.

Allegheny County, R-545-2, South Fayette Township, 7,500 feet. One course reinforced concrete.

Allegheny County, A-3758, Indiana-Harmer Townships, 6,981 feet. One course reinforced concrete.

Allegheny County, A-4624, South Fayette Township, 11,616 feet. One course reinforced concrete.

Armstrong County, A-251, A-4798, Sugar Creek, East Franklin Townships, 13,397 feet. One course reinforced concrete.

Butler-Venango Counties, R-75, Allegheny-Scrubgrass Townships, Cherry Valley Borough, 18,80 feet. One course reinforced concrete.

Carbon County, A-4788, East Penn Township, 8,000 feet. One course reinforced concrete.

Clarion-Venango Counties, R-75, A-4788, Salem Township, Richland Township, Emlen Borough, 19,190 feet. One course reinforced concrete.

Erie County, R-351, A-5010, Summit-Mill Creek Townships, 15,850 feet. One course reinforced concrete.

Lawrence County, R-614, A-4805-4919, Hickory Township, 10,560 feet. One course reinforced concrete.

Luzerne County, R-361, A-4843, Lebanon Township, 13,190 feet. One course reinforced concrete.

Northumberland County, R-336-2, Lower Mahanoy Township, Uniontown Borough, 15,249 feet. One course reinforced concrete.

Somerset County, R-50, A-4818, Upper Turkeyfoot Township, 10,560 feet. One course reinforced concrete.

Tioga County, R-21, Covington-Putnam Township, 22,426 feet. One course reinforced concrete.

Warren County, A-425, Sheffield Township, 6,600 feet. Bituminous surface treated macadam.

Washington County, R-115-5, Smith-Hanover Townships, 9,400 feet. One course reinforced concrete.

Washington County, R-257-1, Hanover-Robinson-Smith Townships, 70,340 feet. One course reinforced concrete.

Washington County, R-268-10, East Bethlehem Township, Centerville Borough, 999 feet. One course reinforced concrete.

Westmoreland County, R-288-1-3, Rostraver Township, 13,750 feet. One course reinforced concrete.

Westmoreland County, R-480, A-4909, Derry Township, 13,200 feet. One course reinforced concrete.

Westmoreland County, A-4824, Penn Township, 10,550 feet. One course reinforced concrete.

York County, A-4980, 81, 82, Shrewsbury Township, Shrewsbury-Railroad Borough, 7,534 feet. Bituminous surface treated macadam.

York County, A-5150, Lower Windsor Township, Yorkana Borough, 5,227 feet. One course reinforced concrete.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Following have been tentatively listed for letting, February 28th or 29th, and are announced at this time to give the contractors an opportunity to inspect the projects in the field. Subject to change.

Allegheny County, R-330-6, Baldwin Township, Brentwood, Overbrook Borough, 7,400 feet. One course reinforced concrete.

Allegheny County, A-4097, Hampton-Mecandless Townships, 9,850 feet. One course reinforced concrete.

Armstrong County, R-66, A-4931, Rayburn, Boggs, Wayne, Mahoning Townships, 70,050 feet. One course reinforced concrete.

Armstrong County, R-188, A-4797, Kiskiminetas Township, 13,200 feet. One course reinforced concrete.

Beaver County, R-116-2, Hanover Township, 14,200 feet. One course reinforced concrete.

Beaver County, R-265, A-4942, Darlington-Big Beaver Townships, 13,000 feet. One course reinforced concrete.

Beaver County, A-4820, Ohio Township, 14,329 feet. Bituminous surface treated macadam.

Bedford County, A-4833, Kimmell Township, 8,986 feet. Bituminous macadam on broken stone base.

Berks County, R-141, Tilden Township, 619 feet. Grading and drainage.

Berks County, R-141-423, A-4880-4881, Bethel, Tulpehocken, Marion Townships, Strausstown Borough, 59,95 feet. One course reinforced concrete.

Bucks County, R-252, Northampton-Middle-

town Townships, 12,500 feet. One course reinforced concrete.

Bucks County, R-500, Upper and Lower Makefield-Newton Townships, 31,200 feet. Grading, drainage.

Butler-Armstrong Counties, R-70, Buffalo-South Buffalo Townships, 3,600 feet. One course reinforced concrete.

Cambria County, R-276-9, Conemaugh-Richland Townships, 18,600 feet. One course reinforced concrete.

Centre County, A-5228, Rush Township, Philipsburg Borough, 4,150 feet. One course reinforced concrete.

Chester County, R-328, West Nantmeal-

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

Contractor and
Builder

315 Cattell Avenue

West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

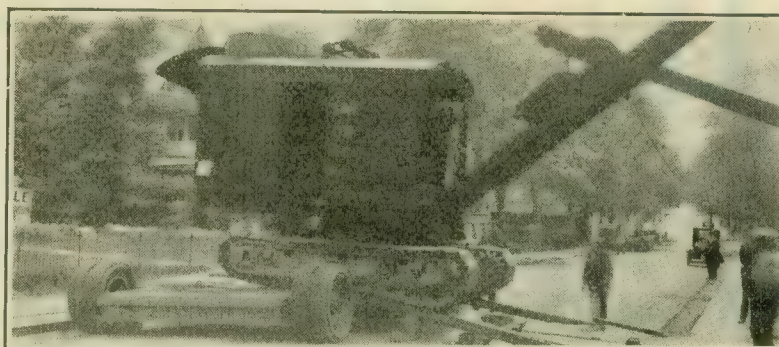
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

Excavations and Foundations
Steam Shovel Work
Contracts, Etc.

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

Wallace Townships, 13,700 feet. Grading and drainage.

Delaware County, R-418, A-4944, Middletown-Aston, Upper and Lower Chichester Townships, 34,900 feet. One course reinforced concrete.

CONTRACTORS

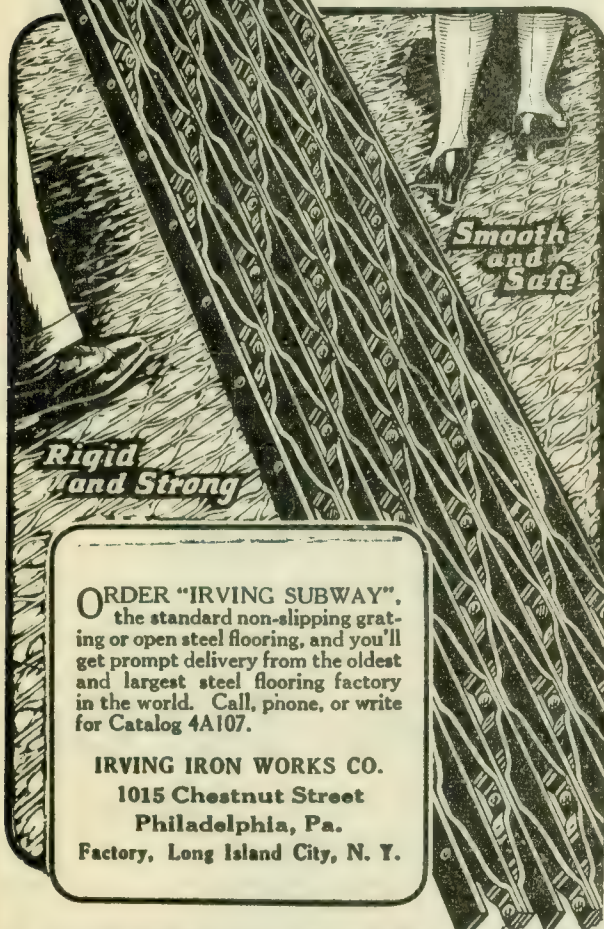
Inquiries on prices for **CAULKING** or **CAULKING MATERIALS** addressed to **S. LIBMAN**, should be sent to Post Office Box 33, Philadelphia, Pa., or phoned to Evergreen 2473.

Yours for Service,

S. LIBMAN

**Caulking and
Caulking Materials**

*Always-When You Need
Gratings —*



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

Fayette County, A-4898, Bullskin Township, 16,650 feet. One course reinforced concrete.

Franklin County, A-5215, Warren-Peters Townships, 9,566 feet. One course reinforced concrete.

Indiana County, R-54, A-4853, S. R. 279, Pine Township, 17,365 feet. One course reinforced concrete.

Lehigh County, R-443, A-4895, 4894, South Whitehall and Upper Macungie Townships, 39,100 feet. One course reinforced concrete.

Luzerne County, R-11-2-3, Kingston Township, Courtdale and Luzerne Boroughs, 11,878 feet. One course reinforced concrete.

McKean County, R-211, A-4845, Otto Township, 13,200 feet. One course reinforced concrete.

Mercer County, R-74, Jefferson-Lackawannock-East Lackawannock Townships, 23,550 feet. One course reinforced concrete.

Montgomery County, R-197, Douglass-New Hanover Townships, 13,800 feet. Grading and drainage.

Montgomery County, R-197, Perkiomen-Skipack Townships, 20,150 feet. Grading and drainage.

Northampton County, R-471, A-4859-4629, Lehigh-Moore Townships, 37,106 feet. One course reinforced concrete.

Schuylkill County, A-4630, East Union Township, 22,000 feet. One course reinforced concrete.

Somerset County, R-52-3-5, S. A. 4916, Qyemahoning Township, Stoyestown Borough, 26,210 feet. One course reinforced concrete.

Somerset County, R-222, A-4887, Ogle Township, 23,447 feet. One course reinforced concrete.

Somerset County, R-456, A-4886, Shade Township, 20,350 feet. One course reinforced concrete.

Washington County, R-115, A-4985, Chartiers-Mount Pleasant Townships, 10,560 feet. One course reinforced concrete.

Washington County, R-519-1, A-4273, Fallowfield Township, 7,180 feet. One course reinforced concrete.

Apartment House, 316 W. Lancaster avenue, Haverford, Pa. Architects, MacKenzie & Wiley, Bankers Trust Building, Phila. Owner, Robert Winthrop, Haverford, Pa. Brick, steel, cast stone or limestone, 3 stories, 42x90 feet, slag roof, hardwood floors, heating undecided, electric light, tile work. Plans in progress. Owner will build and will be ready for sub-bids in 3 weeks.

Residence, Brookway, Merion, \$85,000. Architect, E. Allen Wilson, 1208 Chestnut street, Phila. Owner, John J. Marshall, 65th and Lebanon streets, Phila. Preliminary plans in progress, too early for details.

Ice Plant, Stonehurst Hills, Dela. County, Pa. Owner, American Ice & Coal Co., J. J. McCarthy, Dist. Mgr., Marshall and Sherbrook Boulevard, Stonehurst Hills, Pa. Work contemplated.

Pennsylvania

Contracts Awarded

Sales and Service Building, Bethlehem, Pa. Architects, Wiegner & Snyder, Bethlehem Trust Building, Bethlehem, Pa. Owners, Klein Motor Co., 12 North Eleventh street, Allentown, Pa. Fireproof, 1 story, 85x220 feet, slag roof, concrete floors, electric light, tile work, steel sash, waterproofing, dampproofing. Contract awarded F. H. Clement & Co., Wilbur Trust Building, Bethlehem, Pa.

Getty Farm Barn, Norristown, Pa. Engineer, W. W. Hibbert, Penfield Building, Philadelphia. Owners, Norristown State Hospital, R. L. Chapman, Norristown, Pa. Concrete, carpentry and mill work, painting, glazing, hardware, asbestos shingle roof, bond. Contract awarded W. L. Redditt, 222 Ashby road, Upper Darby, Pa.

Residence and Garage, Pocono, Pa., \$50,000. Architect, J. J. Howley, Traders' Bank Building, Scranton, Pa. Owner, Mrs. R. C. Wills, care of architect. Stone, frame, hardwood floors, electric light, tile work, hardware, grading. Contract awarded G. Alvin Shook, Inc., Stroudsburg, Pa.

Apartment House (4-family), Wilkes-Barre, Pa. Architect, H. A. Maier, Coal Exchange Building, Wilkes-Barre, Pa. Owner, Max Seheran, care of architect. Cinder block, brick, 2 stories, 35x83 feet, slag roof, oak floors, vapor heat, electric light, tile work. Contract awarded F. H. Franklin, 189 South Grant street, Wilkes-Barre, Pa.

Factory (add. and alts.), Adamstown, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, George W. Bollman Co., Adamstown, Pa. Brick, steel, 3 stories, 89x52 feet, built-up roof, cement and wood floors, electric light, steel sash, fire and kalamein doors, bond, iron stairs. Contract awarded Nordland Const. Co., 1156 Franklin street, Reading, Pa.

School Building, Sugarloaf, Blackwood Township, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Contract awarded Asbestos Buildings Co., Liberty Trust Building, Philadelphia.

School, Tredyffrin-Easttown, Berwyn, Pa. Architect, Henry L. Reinhold, Jr., 1632 Walnut street, Philadelphia. Owners, Board of Education, Tredyffrin-Easttown, Berwyn, Pa.

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

Plant
Wissahickon Ave. & Juniata St.

Philadelphia

Bell Telephone

JOHN W. LEWIS

Keystone Telephone

**HEATING, PLUMBING AND POWER PIPING
ENGINEERS AND CONTRACTORS**

3935 SANSOM STREET, PHILADELPHIA

Contract awarded Asbestos Building Co., Liberty Trust Building, Philadelphia.

Residence (alts. and add.), Willow lane, Wallingford, Pa. Architect, Frank C. Watson, Crozer Building, Chester, Pa. Owner, name withheld, care of architect. 2½ stories add., 30x15 feet, 14x16 feet, general alterations. Contract awarded Horace Rogers, Wallingford, Pa.

Schools (2), Glenside School, Junior High School, Wyncote, Pa. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, Board of Education, B. Wunderle, Cheltenham Township, Pa. Glenside School awarded to Roy Randall, Jenkintown, Pa.; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$1,848; heating, Bowers Brothers, 2015 Sansom street, Philadelphia, \$10,790; electric, E. Nusbaum Co., 2023 Sansom street, Philadelphia, \$3,264.63. Junior High School, Wyncote, awarded to Bowden Const. Co., 1607 Summer street, Philadelphia; heating, Bowers Brothers, 2015 Sansom street, Philadelphia, \$38,450; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$13,666; electric, E. Nusbaum & Brother, 2023 Sansom street, Philadelphia, \$8,578.

Residence (alts.), Spring Mount, Pa. Architect, E. L. Rothschild, Bankers' Trust Building, Philadelphia. Owner, L. Levy, Spring Mount, Pa. Contract awarded H. E. Alleback, Spring Mount, Pa.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Cambria, Westmoreland Counties, R-525, Sec. 2, Indiana County, R-525, Lower Yoder and St. Clair Townships, East Wheatfield Township, Armagh Borough. One course reinforced concrete. Contract awarded Haggendorn Const. Co., Grafton, W. Va., \$286,036.05.

Westmoreland County, R-302, A-4910, Fairfield and St. Clair Townships. One course reinforced concrete. Contract awarded Edward H. Conan, McKeesport, Pa., \$88,556.99.

New Jersey Construction News

Residences (2), 404-06 N. 40th street, Camden, N. J., \$4,000 each. Architect, private plans. Owner, Clifton I. Lovelace, 529 N. 48th street, Merchantville, N. J. Brick, block, 2 stories, 18x32 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, Haddonfield, N. J. Architects, Bailye & Bassett, 421 Chestnut street, Philadelphia. Owner, R. W. Lippincott, care of architects. Brick, cut stone, 2½ stories and basement,

35x25 feet, 16x20 feet, shingle roof, oak and pine floors, plumbing, ornamental iron work, bond, metal lath, tile work, hot water heat. Architect taking bids due Dec. 19th.

Viaduct, over Central R. R. of N. J., Delaware, Lackawanna & Western R. R., and Rockaway River, at M. P. 38.4. **Bridge** (reconstruction). M. P. 40.5, Route 5, Section 19 over Delaware, Lackawanna & Western R. R., Morris County, N. J. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street National Bank Building, Trenton, N. J. Foundation, excavation, structural steel, concrete reinforced steel, concrete and stone masonry. Deposit \$10.00. Certified check, 10%. Owner taking bids due Dec. 28th, at noon.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, Chief Clerk, Broad Street Bank Building, Trenton, N. J. Route 8, Section 10-A, Essex-Passaic County Line to the Passaic River Bridge, Passaic County. Unclassified excavation, double line reinforced concrete pavement, reinforced concrete pipe. Route 30, Section 7 (Revision of 1927), Allerton to Clinton, Hunterdon Co. Earth excavation, rock excavation, borrow double line reinforced concrete, including construction of four bridges. Deposit, \$10.00. Certified check, 10%. Owners taking bids due Dec. 28th, at noon.

Moving Picture Theatre and Stores, Phillipsburg, N. J. Architect, E. H. Wenzelberger, 224 Northampton street, Easton, Pa. Owner, care of Benjamin Rymon, 440 South Main street, Phillipsburg, N. J. Brick. Sketches in progress.

Building (alts.), Atlantic City, N. J. Architect, W. Smedley, Stephen Girard Building, Philadelphia. Owners, Abbotts' Alderney Dairies, Thirty-first and Chestnut streets. General alterations. Plans in progress. Ready for bids in 3 weeks.

Show Room and Service Station, Haddon avenue below White Horse pike, Camden, N. J. Architects, Lackey & Hettle, Camden, N. J. Owners, Camden Cadillac Co., on premises. Brick, steel, cement block, 1 story and basement. Revised plans in progress. Architect will take bids in 10 days.

Apartment House, Eighth street, near Kaighn avenue, Camden, N. J., \$20,000. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Harry Franks, care of architect. Brick, 2 stories, 17x85 feet, slag roof, pine and composition floors, metal lath, electric light, hot water heating (roofing, metal work and heating separate). Plans in progress. Builders selected.

Store (add.) and Apartments, Twenty-fourth and Federal streets, Camden, N. J., \$7,000. Architect, A. B. Gill, 328 Market

street, Camden, N. J. Owner, name withheld. Brick, block, 2 stories, 20x42 feet, slag roof, pine floors, hot water heat, electric light. Plans in progress.

Residences (13), Twentieth street and River road, Camden, N. J., \$3,500 each. Architect, A. B. Gill, 328 Market street, Camden, N. J. Owner, Herbert Shefren, care of architect. Brick, block, 2 stories, 15x40 feet, slag roof, pine oors, hot air heat, electric light. Plans in progress.

Freight Stations (2), Main line of New York Division, between Olden and Lincoln Bridges, Trenton, N. J., \$1,500,000. Owners, Pennsylvania Railroad, 15 North Thirty-second street, Philadelphia. Inbound and outbound freight station, reinforced concrete and steel, brick, 8-track capacity of 128 cars each. Station 500 feet long, drives 85 feet wide, platforms, storage yards, etc. Plans in progress. Will take bids early in 1928.

Hall of Records, Camden, N. J., \$3,000,000. Architect selected, Dr. W. P. Laird, Dean of Fine Arts School, University of Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Owners, Board of Chosen Freeholders, Camden, N. J. Brick, white stone, 4 stories. Preliminary survey being made.

Apartment and Store (add.), 133 South South Carolina avenue, Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, Martin E. Mealey, on premises. Brick, 3 stories, 20x16 feet, slag roof, hardwood floors, electric light, interior alterations. Owners taking sub-bids.

Hotel Biltmore (add. and alts.), Atlantic City, N. J. Architect, J. R. Ogden, 143 South South Carolina avenue, Atlantic City, N. J. Owner, W. Malamut, Oriental and Rhode Island avenues, Atlantic City, N. J. Brick, steel, 107x90 feet, irregular, asphalt roof, hardwood floors, elevators, ornamental iron, tile and marble, electric work. Architect taking bids due December 16th.

Church, Delaware Gardens, N. J. Architects, Sundt, Wenner and W. H. Stewart, 1701 Arch street, Philadelphia. Owners, Temple Lutheran Church, Delaware Gardens, N. J. Reinforced concrete, brick, steel, 1 story

WE SELL With or Without Service

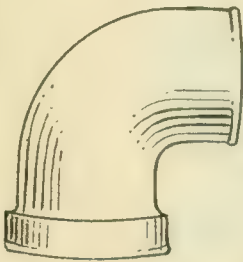
FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete

Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.
1844 North Front Street, Philadelphia
Phone—Regent 5911 Park 1373

"ORTHITE" Products for Every
Requirement in Concrete

Clausen Service—



Means Courtesy and Promptness in supplying you with

TERRA COTTA
FLUE LINING WALL COPING SEWER PIPE

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

and basement, 70x35 feet, wings 31x30 feet, slate roof, cement floors, hollow tile, plumbing, waterproofing and dampproofing, flagstone, bluestone, kalamein doors, ornamental iron work, area gratings, cinder concrete block, metal partitions, steam heat, oil burners, electric light, metal lath. Architects taking bids due December 17th.

Road Work, New Jersey. Engineer, George K. Allen, Jr., 60 Broad street, Red Bank, N. J. Owners, Board of Chosen Freeholders of Monmouth County, Bryant B. Newcomb, Director, Freehold, N. J. Improvement of Shore Relief Road, Eatontown to Asbury avenue, Ocean Township, Eatontown Borough, Monmouth County. Reinforced concrete surface pavement. Certified check, 10 per cent. Owners taking bids due December 21st at 11 A. M.

New Jersey Contracts Awarded

Bus Garage, Sixteenth and Mickle streets, Camden, N. J. Architect, J. T. Fuster, 80 Park Place, Newark, N. J. Owners, Public Service Railway Co., 80 Park Place, Newark, N. J. Brick, steel, 1 story and basement, 353x187 feet, steam heat, electric light, asbestos built-up roof, cement and pine floors, plumbing, metal window guards, electric work, ornamental iron, sprinkler system. Contract awarded Bennett-McLaughlin Co., 3434 Sansom street, Philadelphia.

Factory (add.), Trenton, N. J. Architect, L. S. Kaplan, Fitzcharles Building, Trenton, N. J. Owners, Puritan Rubber Co., Perrine avenue, Trenton, N. J. Brick, steel, 65x100 feet, slag roof, concrete floors, roof ventilators, electric light, steel sash and skylights. Contract awarded J. H. Morris & Co., 211 North Montgomery street, Trenton, N. J.

Sewage System and Pump House, District B, City of Brigantine, N. J. Engineer, R. I. Risley, Guarantee Trust Building, Atlantic City. Owners, City of Brigantine, City Hall, Brigantine, N. J. Brick, 1 story, 24x28 feet, mission tile roof, pine floors, steel sash. Contract awarded D. S. Bader Const. Co., Missouri avenue and Thorofare, Atlantic City, N. J.

Viaduct, Sec. 4-A, Route 1, Contract No. 9, Jersey City, N. J. Owners, State Highway Commission, A. Lee Grover, secretary, Broad

Street Bank Building, Trenton, N. J. Contract awarded Clemente Const. Co., 101 Park avenue, New York, \$469,916.50.

Road Work, New Jersey. Owners, State Highway Commission, Trenton, N. J. Route 1, Sec. 3-A, Robbinsville Cutoff, Mercer County. Contract awarded James A. Grant, Morrisville, Pa., \$60,678.56.

Route 30, Sec. 5, Flemington to Packers Island, Hunterdon County. Contract awarded Hyde-McFarlin Co., Madison, N. J., \$249,045.28.

Building, 313 Division street, Camden, N. J., \$3,000. Architect, private plans. Owners, Coccia Bros., 311 Division street, Camden, N. J. Brick, 2 stories, 17x46 feet, slag roof, steam heat, electric light. Contract awarded Anthony Morabito, 810 S. 3rd street, Camden, N. J.

Garage and Shop, rear 711 Walnut street, Camden, N. J., \$2,000. Architect, private plans. Owner, Anthony V. Kissling, 711 Walnut street, Camden, N. J. Brick, and block, 2 stories, 40x18 feet, slag roof. Contract awarded John Onderski, 1036 Everett street, Camden, N. J.

MAKE YOUR PLANS FOR THE FUTURE WHEN YOU BUILD YOUR PLANT

BY MORITZ KAHN

Of Albert Kahn, Incorporated, Detroit

Reprinted by special permission from
"Factory, the Magazine of Management"

When a manufacturer starts to build a new plant, he looks into the future to picture, if possible, how he will be impressed by the layout of his works 10 or 20 years hence. And in this he is right, because the general scheme of a plant should not be one which merely takes care of present requirements, without concern for the future development of the industry.

Careful thought needs to be given to problems of expansion which will arise as the business grows, in this way making certain that the manufacture will always be carried out efficiently, no matter what

stage of development has been arrived at in the construction of the plant. Industries are intended to succeed; success involves growth; and every well-arranged scheme will take into consideration the future extensions necessitated by such growth.

An ideal plant may be likened to an expanding library made up of sectional bookcases. As the library grows, new sections are added; it is always complete, yet always allows for the addition of further sections which, eventually, form one preconceived, coherent scheme. The same results can be obtained with the buildings of a manufacturing plant, provided due consideration is given to future developments, and provided the buildings are erected to standardized dimensions and details. The final desire effect can be procured with a minimum of inconvenience to the owner in the way of disorganization of his plant and at a cost which will not prove excessive.

Failure to make arrangements as herein outlined has, in many cases, been the causes of the poorly organized plants one sees only too often throughout the country. The manufacturer who builds only for the present later on finds it necessary to add wings or sections here and there as the occasion arises, and without a predetermined plan he eventually develops a group of buildings which bear no relation to each other. In the end he is possessed of a plant which is essentially disorganized, and it is needless to point out that such a plant cannot be operated under ideal conditions as regards supervision and economy of production.

It is a simple matter to obtain the desired result if the development of a plant is properly started. In selecting a site, one of the considerations should be the possibilities of expansion—the site

A. HUSKEY

PORTABLE

MEYER COSSOY

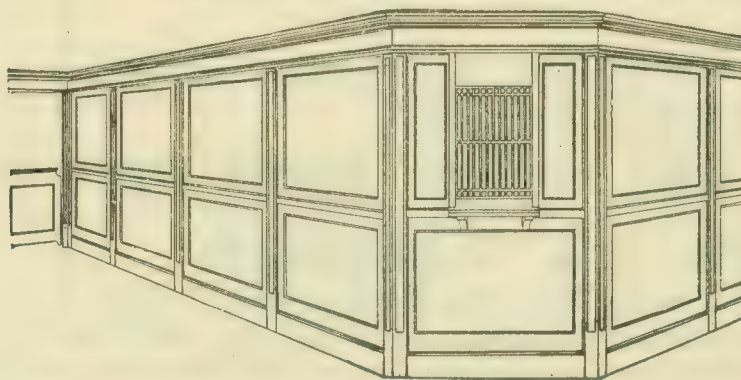
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

STORE
FIXTURES

FOR ALL KINDS
OF

STORES



CABINET
WORK

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

should prove large enough for many years' growth. The architect should thereupon prepare preliminary designs showing, in outline, a grouping of buildings which will meet with the manufacturer's requirements as far as they can be foreseen for a period of many years. Obviously, the immediate construction of such a group of buildings would involve extravagant cost. Construction need only be started on such a portion of the scheme as will suffice for the immediate needs. With the growth of the industry, portions of the original plan can be constructed periodically, all the additions aiming at the final goal, as originally planned. With this method of development it matters little when and where construction ceases. The various buildings of plant will then always be systematically arranged and will still permit of systematic extension. A commendable feature of this method of procedure lies in the fact that it entails no extra cost. In truth, economy will result, for this procedure eliminates the possibility of constructing buildings which might stunt the future growth of the industry or, on the other hand, which it might be necessary to remove in order to permit such growth to take place.

The method of development as above outlined refers principally to the horizontal growth of a plant. Factories can grow vertically as well as horizontally where multi-story buildings are concerned. When originally constructing such buildings it often proves advisable to lay foundations which are strong enough to support a number of floors greater than the number immediately warranted. For example, a two-story building could have foundations strong enough to support four extra floors. With the growth of the industry the extra floors can be added without disturbing the operations that are taking place on the lower floors.

It is true that this arrangement for the construction of multi-story buildings entails a slight extra initial investment, but this investment is certain to bear fruit. And the safety factor involved is worth much more than the risk taken in the extra investment.

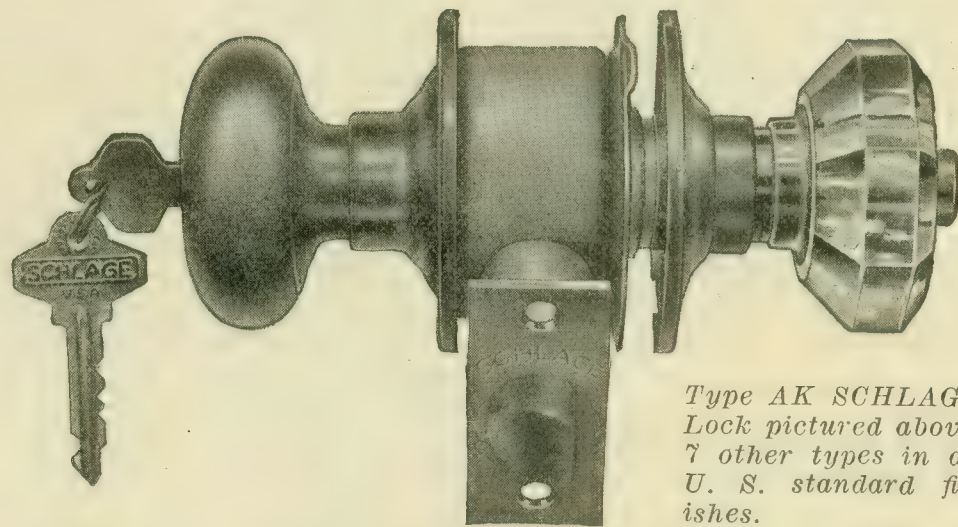
In the layout for Plant No. 6 of Dodge Brothers, Detroit, Mich., to meet present requirements, it was necessary to construct only a portion of this scheme: the first unit, which consists of a building, 1,962 feet long by 257 feet wide. The first unit was constructed merely for the assembly of cars. The entire development contemplates the eventual manufacture of parts to be assembled in the present unit. It allows for extending the building 120 feet to the west and 225 feet to the east. The total floor area of the present unit is about 502,000 square feet. The entire development contemplates 2,160,000 square feet.

The merits of this plan require no elaboration.

With a preliminary design as herein described before him, the owner rests assured that as the necessity arises his plant will grow towards his pre-arranged scheme, and no matter when he stops building he will always have a systematic grouping of departments which will lend itself to economical production. In the end he will be possessed of a plant which is worthy of the efforts put into its development.

This is the second of a series of articles by Mr. Kahn. The third will appear in an early issue.

"20th Century Advertising," by George French, is a book of particular value to all those engaged in the field of advertising. It is instructive and entertaining reading, however, for any one interested in the studies made in the business world during the last quarter of a century, for as Mr. French says in his introduction: "The longer I study advertising, and the more knowledge I acquire about its operation as a business factor and a sociological phenomenon of the greatest consequences, the clearer it seems to me that it is the great motivating force in business and people depending upon it for the support of life. This places advertising in



Type AK SCHLAGE
Lock pictured above,
7 other types in all
U. S. standard fin-
ishes.

SCHLAGE

TRADE MARK REG. U. S. PAT. OFF.

the MODERN lock for MODERN buildings

A factory-assembled unit-type compression-spring door lock for the price of an unassembled lock. Installed in 1/3 of the time required for other locks. Simply drill 2 holes. No screws in spindle, knobs or escutcheons. No complicated mortising. No adjusting. Does away with inside keys. Just press the button in the knob to lock inside, just turn the knob to unlock. Over three-quarters of a million already sold. No building modern without them. Complete catalog and price list on request.

SCHLAGE LOCK COMPANY—SAN FRANCISCO, CAL.—MFRS.

PHILADELPHIA OFFICE

H. E. SEUBERT in charge

2401 Chestnut St. - Phone, Rittenhouse 9840

the position of an element *in life that makes life possible.*" . . . Or, as he later puts it, "Advertising undertakes to function between business and us, who are the ultimate consumers."

Although advertising had existed and given signs of promise long before the 20th Century, certain vitally important developments have occurred since that time. As Mr. French tells us, the idea of Truth in Advertising was "Thrust into organized advertising at the first vital meeting of the Associated Advertising Clubs of America held in 1906 at St. Louis."

Mr. French points out the great differences between European and American advertising methods, and gives many interesting examples of advertising technique, a number in color and accompanied by illuminating criticisms and comments. In fact, this book deals in its 44 chapters with every phase of advertising, and the whole subject is reviewed in a thoroughly interesting and understandable manner.

"20th Century Advertising" should certainly prove invaluable to the forward-looking business man of today. D. Van Nostrand Co., 8 Warren St., New York City, are the publishers. Price, \$6.00.

UNITED STATES CIVIL SERVICE EXAMINATION

The United States Civil Service Commission announces the following open competitive examination:

PRINCIPAL ARCHITECTURAL AND STRUCTURAL STEEL DRAFTSMAN

Applications for principal architectural and structural steel draftsman must be on file with the Civil Service Commission at Washington, D. C., not later than December 27.

The examination is to fill vacancies in the Lighthouse Service, Department of Commerce, throughout the United States, and in positions requiring similar qualifications.

The entrance salary is \$2,100 a year. A probationary period of six months is required; advancement after that depends upon individual efficiency, increased usefulness, and the occurrence of vacancies in higher positions.

The duties, under general supervision, are to perform difficult freehand or architectural and structural steel drafting, requiring judgment, skill, and a thorough knowledge of the customs and practices of the drafting occupations in expressing ideas, plans, and data in drawings; or to supervise the work of a group of draftsmen of lower grades.

Competitors will not be required to report for examination at any place, but will be rated on specimens of drawing to

be filed with the application; and their education, experience, and fitness.

Full information may be obtained from the United States Civil Service Commission at Washington, D. C., or the secretary of the United States civil service board of examiners at the post office or custom house in any city.

NEW COMMERCIAL LIGHTING UNIT COMBINES HIGH EFFICIENCY WITH ART AND DECORATION

By ROGER A. LEA

The demand for ornamental commercial units has resulted in a new type of lighting unit which combines the totally enclosed and exposed ball lamps in an unusually attractive manner. These units are obtainable in a great variety of sizes and styles. There are almost one hundred different ornamental variations to choose from.

The architect and dealer now have available these stock units which can be specified and installed with satisfaction on jobs where special lighting equipment would be too costly. These units thus fill the gap between the standard catalogue types and specially designed fixtures, the former often being too plain or uninteresting, the latter too expensive.

Authentic classic ornamentation has been applied to these units in such a way as to be in keeping with the average interior decorative scheme. Both Gothic and Romanesque designs can be furnished on any of the decorative types.

Shapes of glassware are usually limited as to depth because they are made for use with a ceiling hanger in which a two-piece receptacle is necessary. The long graceful curves of this new globe were laid out with the ceiling as a base for the design. This feature of beauty has been recognized by nationally known architects and decorators who are specifying this unit.

These long curves are responsible for the greatest feature of these units—the highest degree of efficiency ever attained in an enclosed globe. Tests on all five sizes show an average of 90% light output; more than is attained through the highest grades of double or triple cased glass or prismatic glass.

These units produce no shadows on the ceiling, whether a ceiling fitter or pendant type is used. This is due to the light distribution being general. No shadows appear on the glass itself, nor does the ornamental ring cast a shadow. More light, however, is thrown in the bottom plane by this unit than by a bare lamp, amounting in some sizes to 6% more downward light.

While thus flooding the space beneath with an efficient light, plenty of light is provided in all directions. The light

thrown upward by the unit brings out the height of the room in which it is used without producing the usual objectionable ceiling shadows.—*Building Industry.*

Desirable desk space, in a centrally located show room, will be leased to a desirable tenant at a reasonable rental. Privilege of displaying samples will be given with the space rented. Inquire B. G. 1000.

Construction operations continued their record-breaking tactics during November by establishing a volume never before equalled in that month of any year, according to statistics compiled by the Associated General Contractors of America. The amount of work handled by the construction industry during recent weeks has served to increase the leadership which the current year holds over 1926. The volume of operations recorded for the first eleven months of 1927 is five per cent greater than the figure registered for the corresponding period of last year.

These statistics representing all types of construction, are based upon actual shipments of construction materials.

Operations last month were slightly smaller in volume than those of October. The fact that the decline was small is being accepted as indicating an increase in the practice of carrying on construction work despite cold weather.

December is expected to witness a scale of activities unusual for that month of the year. This expectation is based upon the fact that the volume of contracts awarded during October showed a large increase and established a record never before equalled by that month in any year. The volume of contracts awarded during the first ten months of 1927 exceeds the corresponding figure registered for 1926 by three per cent.

A scale which places the 1913 average at 100 as its basis shows the index number of November's volume of actual operations to be 215. Similar figures for other months of 1927 are: January, 129; February, 121; March, 135; April, 165; May, 197; June, 212; July, 221; August, 238; September, 236; and October, 222.

The average of construction costs showed a slight decline during last month, lower prices commanded by common brick and hollow tile in several construction centers being responsible. The average of wages remained unchanged during November, this being the tenth successive month to see this situation prevail.

Men are walking by and around people that want to buy from them, and do not know it. The DAILY BUILDING NEWS will tell you who wants to buy your products.

BUILDING NEWS PUBLISHING CO.
1530 Chestnut St. Philadelphia.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co., 1320 Race St., Phila.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Corp. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co., 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL BARS AND PLATES

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

IRON AND STEEL (Structural and Ornamental)

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co., 1320 Race St., Phila.

PLASTER (Colored)

California Stucco Products Co. 1316 Olive St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

John Nacey Co. 7254 Paschall Ave., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MacGarvie, James B. Magnolia, N. J.

John Nacey Co. 7254 Paschall Ave., Phila.

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

Warren-Ehret Co. Luzerne and "E" St., Phila.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

STUCCO MANUFACTURERS

California Stucco Products Co. 1316 Olive St., Phila.

SURETY BONDS

Insurance Co. of North America 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

BUILDERS' RISKS ARE MANY

but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

You Can Pour Concrete In Freezing Weather When You Use "ANTI-HYDRO"



Lehn & Fink Building, Bloomfield, N. J. Buchman & Kahn, Archts. Chas. R. Hedden Co., Contrs.

This entire building was constructed between November and February with the aid of "ANTI-HYDRO."

"ANTI-HYDRO" lowers the freezing point of concrete and cement mixtures to 17 degrees below the freezing point of water, making it possible to continue concreting, cementing and masonry work during freezing weather and finish your contracts on time with prompt payments for completed work.

"ANTI-HYDRO" is an easy-to-use liquid integral compound which also permanently hardens and waterproofs concrete all in one operation. It mixes readily with the gauging water without the aid of skilled labor. During 23 years of continuous use "ANTI-HYDRO" has never failed to live up to the claims made for it. Satisfactory results are guaranteed. Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY 265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.
YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets
DE FRAIN SAND COMPANY, Beach and Berks Streets
DE FRAIN SAND COMPANY, 26th and Christian Streets
THE FAIRLAMB COMPANY, 115 South 30th Street
PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421
GEO. A. SINN, Bridge Street and Frankford Creek, Phila.
Bell, Frankford 0309; Keystone, East 8980
TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.
Bell, Tacony 1460
SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,
Sharon Hill, Penna., Phone, Sharon Hill 303
CAMDEN LIME CO., 412 Federal Street, Camden, N. J.
Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

METAL CORNICES
AND
SKYLIGHTS

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 51
December 21, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

Cork Brick Floors—Linotile Floors

*Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.

BELL, DIAMOND 4003

KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

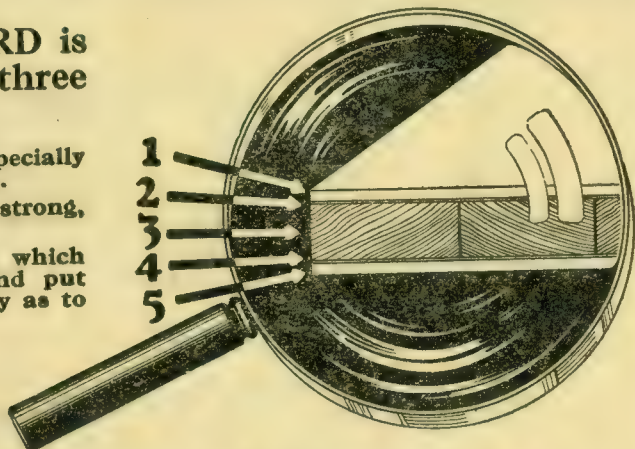
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



CompoBoard

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

AUDUBON WIRE CLOTH CO. INC.

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS

COLLAPSIBLE GATES

ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL

WIRE GUARDS

BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

SIEVES AND RIDDLES

STONE
ORE
COKE

*Special Estimating Service
to Architects and Contractors*

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

**Delivered Right to
Your Job—In Trucks
ALREADY MIXED**

BLUE DIAMOND MORTAR PRODUCTS

*For Brick Work and
Plastering*

**Save on high priced labor. An economy
that is apparent after the first load is used**

**West Jersey Sand
and
Supply Corp.**

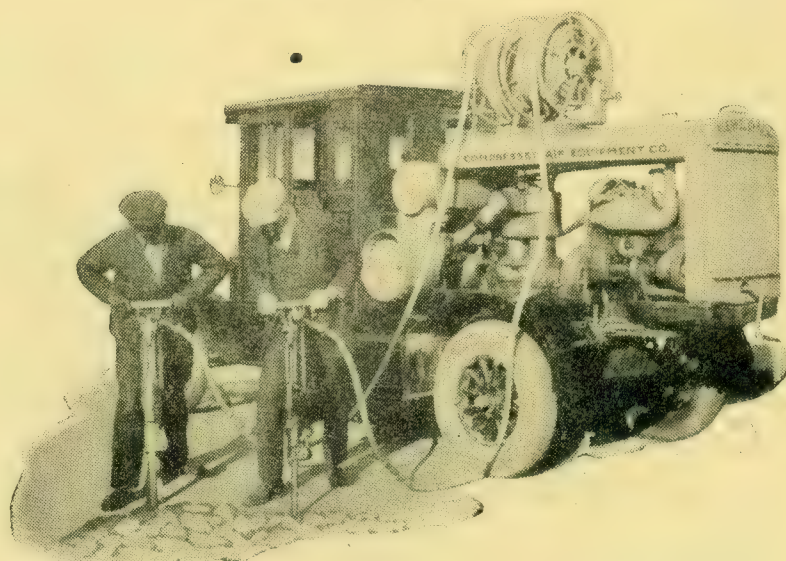
**Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia**

**Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony**

Bell—Pennypacker 9540

Keystone—Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

**Bank Vaults, Foundations, Rock or Reinforced Con-
crete Demolished by Compressed Air or Dynamite**

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

**DAY
WALnut 6488
RACE 3401**

**NIGHT
ALLegheny 8448**



**LOW PRESSURE
Electric Refrigeration
by**

Welsbach

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

—adjacent to Philadelphia

LUPTON STEEL WINDOWS

**Copper-steel Casements and Base-
ment Windows for Residences
are the modern windows for
the modern house.**

**Large choice of sizes for immediate
deliveries. Write for literature.**

***Lupton makes a steel window for
every type of building***

Phone, write or wire large and small orders

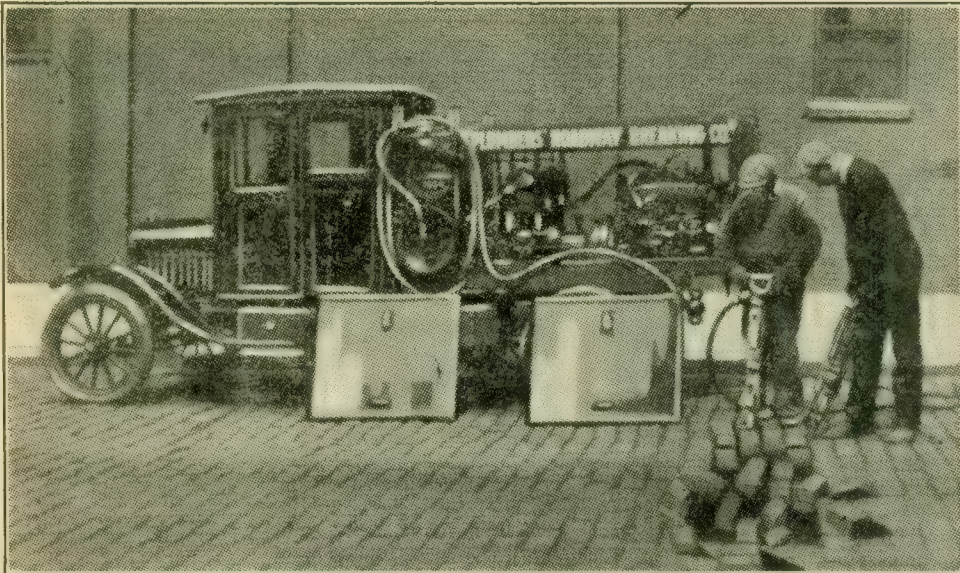
DAVID LUPTON'S SONS CO.

Allegheny Ave. and Tulip St., Philadelphia

Bell—REGent 9700

Keystone—East 7951

Air Compressors to HIRE



Street Openings By Newest and Easiest Method

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS, ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION, BROKEN OR DRILLED. ROCK DRILLING AND SCIENTIFIC BLASTING. BOILER TUBES CLEANED

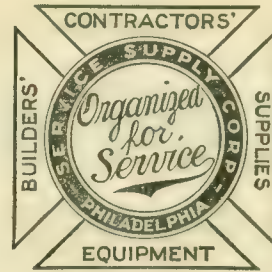
Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654



SERVICE SUPPLY CORPORATION FOR

Live Contractors Who Are Going to Continue
Working Throughout Winter Months

Our analysis of the necessary requirements for work to be done successfully in Winter months has placed us in a position to furnish complete **UNITS FOR WINTER CONSTRUCTION** beyond the experimental point.

Ask for this bulletin and also let us furnish you with information on how to make your concrete set in half the time it takes ordinarily.

MAIN OFFICE AND WAREHOUSE
20th and Venango Streets
Philadelphia

BRANCH OFFICES AND WAREHOUSES
235-37 N. Virginia Avenue Atlantic City, N. J. Wilbur Trust Building Bethlehem, Pa.

BRICK

You may be familiar with the
UNUSUAL QUALITY
of the Finzer Full Range Forest Blend

FACE BRICK

but did you know that the price has been
Reduced to \$33.25 per M
Delivered and Stacked on the Job

OTHER UNUSUAL VALUES
are

Smooth Buff Courts \$31.75 per M
Vertical Tex Buffs \$30.00 per M

Telephone for samples and location of
jobs which we have served recently

EXCELSIOR BRICK and STEEL Sales Co.

600 Bankers' Trust Building
PHILADELPHIA

Pennypacker 7084

Race 6010

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK

KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE

NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

"EBCO" SANITARY STEEL TOILET PARTITIONS

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS

NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



DISTRIBUTED IN EASTERN PENNSYLVANIA BY

**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone : Rit. 2295 Demonstrating Door in Our Show Room

Everything for the Drawing Room

Drawing Instruments, Boards and Tables, Pantographs, Planimeters, Slide Rules, Scales, Surveying Instruments, Tapes, Drawing and Tracing Papers, Tracing Cloth, Blue Print Paper and Printing, Waterproof Drawing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request

125 S. 12th St., Philadelphia, Pa.

WEBER'S

STRUCTURAL SHAPES
"Deadlock" Concrete Bars
"Page" Wire-Link Fence
"Page" Panel Partitions

— PROMPT DELIVERIES —

HORACE T. POTTS & CO.

East Erie Avenue and D Street

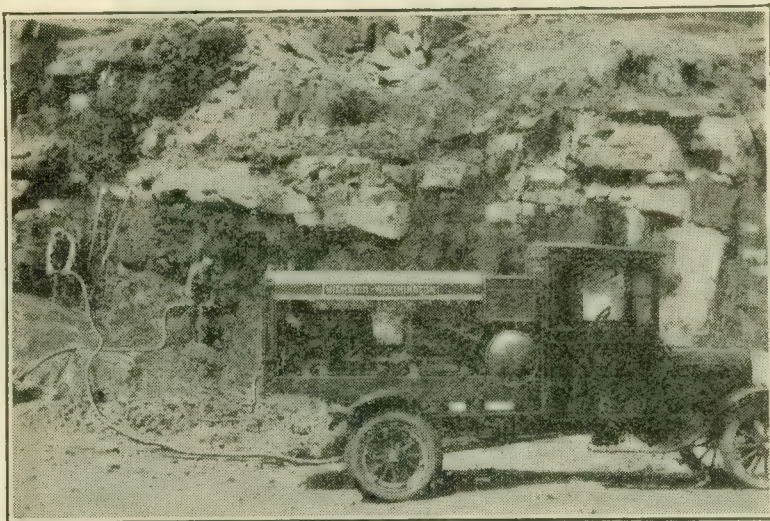
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK — TRACTOR — PORTABLE TYPES
 [WITH OR WITHOUT AIR TOOLS]

USE **AIR** FOR

ROCK DRILLING
 DEMOLISHING

PAVING BREAKING
 RIVETING

— PROMPT SERVICE —

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you should for insurance protection—and still running unsuspected risks.

It will cost you nothing to have your agent go over your property risks and your present protection. Perhaps he can reduce your insurance costs.

Your agent can give you dependable property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Number 51

Engineering and the Building Trades

PHILADELPHIA

December 21, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Theatre, Store and Offices, Northwest Corner Sixth and Girard avenue, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, Sidney Brown, Fifteenth and Chestnut streets, Philadelphia. Brick, steel, stone, concrete, 1 story and basement. Sketches drawn.

Garage, South side Ludlow street, between Eighteenth and Nineteenth streets, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owner, name withheld. Reinforced concrete, 4 stories. Plans in progress.

Office Building (add.), Fourth and Walnut streets, Philadelphia. Architect, E. J. Matthewson, Bulletin Building, Philadelphia. Owners, Fire Association of Philadelphia, J. W. Cochran, Fourth and Walnut streets. Granite, steel, 6 stories. Architect selected.

Church, Northwest Corner Lycoming and K street, Philadelphia. Architect, not yet selected. Owners, Bethel Chapel Christian Church, Rev. C. Clay Green, 2544 West Cumberland street, Philadelphia. Work contemplated in 1928.

Bridges (8), Philadelphia. Architect, private plans. Owners, Philadelphia & Reading Railroad Company, Twelfth and Market streets, Philadelphia. Steel and concrete bridges over the following streets: Wister, Penn, Church lane, Musgrave, Morton, Magnolia and Gowan avenue. Plans in progress.

Apartment House and Stores, Northeast Corner Forty-seventh and Walnut streets, Philadelphia. Architect, F. Ferdinand Du-

range, 1220 Locust street, Philadelphia. Owners, P. J. Van Billiard & Co., Widener Building, Philadelphia. Brick, reinforced concrete, steel, granite, 1 story and basement. Revised plans in progress. (Note change in building.)

School, Sixth and Buttonwood streets, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cut stone, steel, 3 stories and basement. Work contemplated. Plans in progress.

Residence (alts. to apartments), 919 Spruce street, Philadelphia. Owner, Jacob Guber, 2241 North Thirty-third street, Philadelphia. General remodeling. Work contemplated in spring, 1928.

College, Twentieth and Olney avenue, Philadelphia. Architects, Hoffman-Henon, Finance Building, Philadelphia. Owners, La Salle College, Brother Dorotheus, Broad and Stiles Sts., Phila. Stone, steel, 3 stories, 4 stories and basement, various sizes, oak, pine and cement floors, electric light, steam heat, slate roof, metal lath, tile, marble and terrazzo work. Ready for bids in a week.

Dwelling (alts.), 1032 Spruce Street, Philadelphia. Owners, Eta Chapter, Phi Beta Phi, 919 Spruce Street, Philadelphia. Hardwood floors, painting, plumbing. Owners taking sub-bids.

Hospital Buildings, Eighth, Thompson and Franklin street, Philadelphia. Architect, Amos W. Barnes, Perry Building, Philadelphia. Owners, St. Luke's and Children's

Homeopathic Hospital, on premises. Architect will take new bids on main building in two weeks.

Twin Residences (52), Separate Garages, Boyer, Roomfort road and Devon street, Mt. Airy, Philadelphia. Architect, private plans. Owner H. M. Ward, 4401 Germantown avenue, Philadelphia. Brick, steel, 2½ stories, 20x42 feet, slate roof, hardwood floors, cement work, hot water heat, electric light, metal lath. Plans in progress. Will build in spring, 1928.

Bank Building, 1523 Chestnut street, Philadelphia. Owners, Syndicate, care of S. Scattergood, Packard Building, and J. J. McGuirk, 1916 Race street, Philadelphia. Brick, steel, stone, size of lot 22x165 feet. Work contemplated.

Station, Broad and Huntingdon streets, Philadelphia. Architect, Horace Trumbauer, Land Title Building, Philadelphia. Owners, Philadelphia & Reading Railroad, Twelfth and Market streets, Philadelphia. Indiana limestone, 1 story, mezzanine, 180x800 feet, reinforced concrete concourse, 110x35 feet, platform, 1,150 feet tunnel, reinforced concrete ramps. Working plans nearly completed. Owners about ready for bids.

Store Building, Southwest Corner Thirteenth and Chestnut streets, Philadelphia. Architects, Simon & Simon, Juniper and Chestnut streets, Philadelphia. Owners, The Blum Store, M. Spector, Juniper and Chestnut streets. Brick, reinforced concrete, cut stone, granite, steel, 10 stories, basement and

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

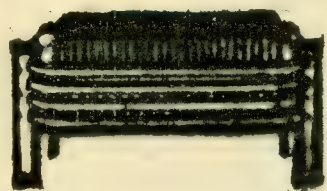
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard"
Enamelware

REPUBLIC BRASS

**PAWNEE PIPELESS
FURNACE**

FLECK BROS. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

We Manufacture and Set
All Kinds and All Colors of

Architectural Cut Cast Stone

Penn-Jersey Cut Cast Stone Co.

Main Office
612 N. Broad Street
Woodbury, N. J.

Branch Office
344 Haddon Avenue
Westmont, N. J.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street

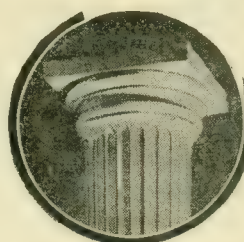
Philadelphia

EXPANDED METAL LATH



KNO-BURN MESH
DIAMOND MESH
RIB LATHS

CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD
TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

HEATING

BOWERS BROS. & CO.

2015 Sansom Street

Philadelphia, Pa.

pent house, 104x56 feet, slag roof, vacuum steam heat, electric light, metal lath, tile, marble and terrazzo work, rolled steel sash, tin-covered, kalamein and hollow metal doors, bond, iron stairs, ornamental iron work, brass pipe, iron pipe, bronze work, area gratings, metal toilet partitions, demolition, Kalman floors, granolithic, cement, maple and composition floors, rolling steel doors, hollow tile, elevators, plumbing, waterproofing, architectural terra cotta. Architects taking bids due December 28th.

Alterations, Garage into Moving Picture Parlor, Southwest Corner Master and Conestoga. Architect, Albert E. Westover, Jr., 109 South Twenty-second street, Philadelphia. Owner, Sol. Hopkins, Sixty-second and Market streets, Philadelphia. Carpentry and mill work, electric work, plastering, metal lath, painting, glazing, structural steel work, iron work, cinder blocks, granite, brick work, architectural terra cotta, Chamberlain metal weather strip. Architect taking bids.

Church, Mt. Airy and Boyer streets, Philadelphia. Architects, Henry D. Dagit & Son, 1329 Race street, Philadelphia. Owners, Holy Cross Roman Catholic Church, Rev. W. P. Brady, on premises. Stone, 1 story and basement, 54x140 feet, slate roof, cement and pine floors. Architects taking bids due December 28th at noon.

Garage, Show Room, Service Station, Sixty-fifth and Wyncote avenue. Architect, Alvin C. Bieber, 1520 Locust street, Philadelphia. Owner, name withheld. Brick, steel, 100x100 feet, 75x100 feet, triangular, 75x100 feet, air blast steam heat, electric light, built-up roof, gypsum roof, concrete floors, steel sash and window frames, Cornea bars, Crafter stucco. Architect taking bids.

Moving Picture Theatre (alts.), Seventieth and Elmwood avenue, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Weiss Brothers, on premises. Brick, architectural terra cotta, plastering, painting, glazing, tile and marble work, plumbing alterations, carpentry and mill work, heating and lighting alterations. Architects taking bids due December 22nd.

Apartment House, Southwest Corner Vernon road and Crittenden street, Philadelphia, \$145,000. Architect, J. E. Fieldstein, 112 South Sixteenth street, Philadelphia. Owner, Michael S. Kirschner, 2419 North Fifty-sixth street, Philadelphia. Brick, 4 stories, 149 feet 6 inches x 98 feet, slag roof, hardwood, pine and cement floors, hot water heat, electric light, tile work. Permit issued.

McIlhenny Memorial Dormitory, Thirty-sixth and Hamilton Walk, \$150,000. Architects, Stewartson & Page, 315 South Fifteenth street, Philadelphia. Owners, University of

Pennsylvania, Thirty-fourth and Spruce streets, Philadelphia. Brick, stone, 4 stories, slate roof, electric light. Plans in progress. Will take bids early in 1928.

Loft Building (add.), 1025 Callowhill street, Philadelphia. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owners, United Knitting Co., 1027 Callowhill street, Philadelphia. Brick, steel, concrete, 5 stories. Preliminary plans in progress.

Residences (10), 3432-50 Penn street, Philadelphia, \$40,000. Architect, private plans. Owner, M. J. McCrudden, Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x37 feet, slag roof, pine floors, electric light. Permit issued.

Residences (27), North side McPeak street, West of Frankford avenue, Philadelphia, \$109,000. Architect, private plans. Owner, Max Yoskin, 3305 Robbins avenue, Philadelphia. Brick, 2 stories, 15x27 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Storage (add.), North side Palmer street, Delaware avenue to Beach, \$10,000. Architect, private plans. Owner, William W. Meirs, 4 East Richmond street, Philadelphia. Brick, 2 stories add., 15x101 feet. Permit issued.

Residence, South side Vane street, West of Eighty-fourth street, Philadelphia, \$1,800. Architect, private plans. Owner, J. E. Morris, Eighty-fifth and Vance streets, Philadelphia. Brick, 1 story, 16x24 feet, hot air heat, electric light. Permit issued.

Residences (49), (48) Lindley avenue, Ogontz avenue and Ashdale street, and (1) Belfield and Ashdale street, Philadelphia, \$180,400. Owner, George A. Nahm, 2736 Girard avenue, Philadelphia. Brick, 2 stories, (48) 15x26 feet, 11x10 feet, (1) 15x36 feet, slag roof, pine floors, hot water heat. Permit issued.

Residences and Garages (2), Kerper street, West of H street, \$8,500. Architect, private plans. Owner, William J. Peters, 6629 Jackson street, Philadelphia. Brick, 2 stories, 16 feet 4 inches x 37 feet, slag roof, pine and cement floors, hot water heat, electric light. Permit issued.

Residence and Store, 6301 Mereshon street, Philadelphia, \$4,500. Architect, private plans. Owner, Max Yoskin, 3135 Robbins avenue, Philadelphia. Brick, 2 stories, 20x35 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residence, West side Eighty-fifth street, South of Holstein avenue, \$3,500. Architect, private plans. Owner, Candelano Carrillo, 1420 Tasker street, Philadelphia. Brick, 2 stories, 20x42 feet, pine floors, hot water heat,

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

PENNSYLVANIA
TILE AND MOSAIC CO.
Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

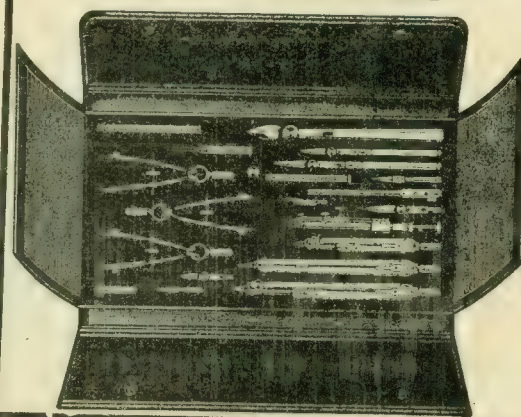
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED—Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

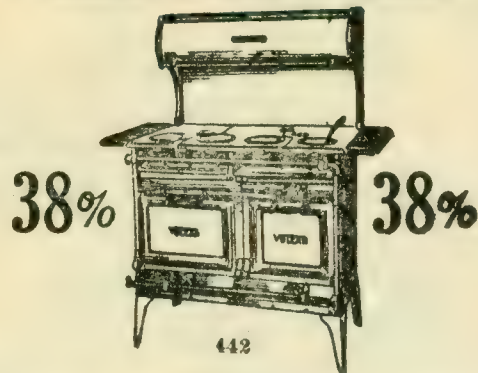
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

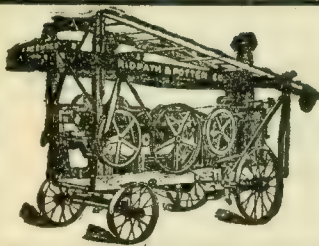
KEYSTONE TELEPHONE—RACE 7634

VULCAN SMOOTH TOP (COMPACT CABINET) GAS RANGES

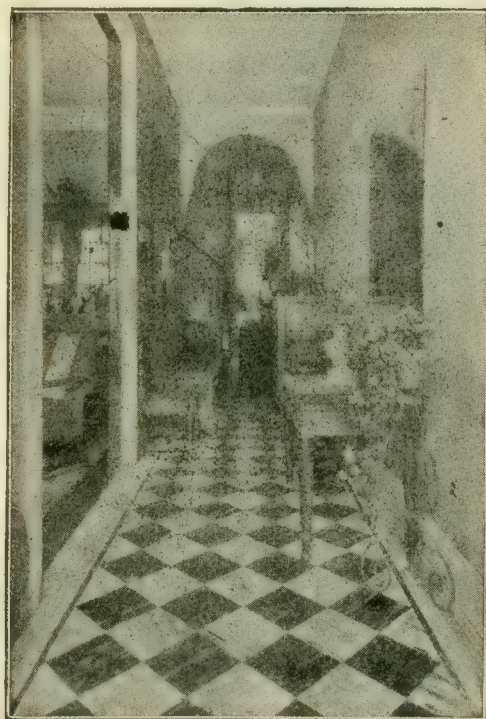


WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

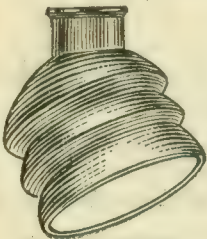


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It

Hamiltile
RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



LANG'S
DAYLIGHT
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

electric light. Permit issued.

Residences (50), Howland street, South of Foulkrod street, Philadelphia, \$202,000. Architect, private plans. Owner, Paul Bahm, Fern Rock Trust Co., Broad and Nedro avenue, Philadelphia. Brick, 2 stories, 15x26 feet, 11x12 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (2), West side Dicks avenue, West of Seventy-fifth street, \$7,000. Architect, private plans. Owner, I. Kaplan, 7904 Eastwick avenue, Philadelphia. Brick, 2 stories, 16x40 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment (add. and alts.), 6126 West Girard avenue, \$6,000. Architect, private plans. Owner, John A. Phelan, 620 Media avenue, Philadelphia. Brick, 2 stories add., 26x15 feet, general alterations. Permit issued.

Sand House, Southwest Corner Second and Erie avenue, Philadelphia, \$3,000. Architect, private plans. Owners, Philadelphia Rapid Transit Co., Mitten Building, Philadelphia. Brick, 1 story, 17x26 feet. Permit issued.

Supplies, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due January 3rd, 1928, noon, for lumber, ladders, paints, varnish, etc. Bond.

Contracts Nos. 132 and 133, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Owners taking bids due December 23rd, at noon, for plumbing and heating systems, plumbing for the storage building and rough-in work shop for City Hall station, heating for storage building, Fern Rock Yard. Certified check, 5 per cent. Deposit, \$10, refunded.

Pennsylvania Railroad, C. E. Walsh, 15 North Thirty-second street, Philadelphia. Owners taking bids due December 22nd, at noon. No. 131, track bolts, spikes, tie plates, paint bars. No. 132, compromise joints and guard rail clamps. No. 133, boiler tubes. No. 134, axles.

Supplies, Philadelphia. Purchasing agent,

E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due December 27th at noon. Hardware, bolts, nuts, pipes and fittings.

Laundry Building (Male Department), Byberry, Pa. Architect, P. H. Johnson, Widener Building, Philadelphia. Owners, Department of Public Health, 584 City Hall. Low bidders: Kober Const. Co., 34 South Seventeenth street, Philadelphia, \$62,977; Mitchell Brothers, 2125 Race street, Philadelphia, \$64,898; plumbing, Bulman Brothers, Fifth and Cumberland streets, \$4,966; heating, E. H. Pagenhardt & Co., 2130 Locust street, \$4,749; electric, Industrial Elec. Co., 124 North Sixty-third street, Philadelphia, \$2,342.

Alterations and Additions, 2138 Market street, Phila. Architect, Wm. F. B. Koelle, Otis Building, Phila. Owner, M. Moriano, 2102 Market street, Phila. Brick stone, electric light, plate glass, metal ceilings. Architect taking bids due Dec. 28th.

Shop Buildings, Nedro, Front and Chew streets, Phila. Owner, P. R. T. Co., Mitten Building, Phila. Brick, steel. Work contemplated.

Rhawn Street Bridges, over Pennypacker Creek, Phila. Owner, Dept. of Public Works, Bureau of Engineers, 216 City Hall. Owner taking bids due Dec. 28th. Certified check, 5%. Additional specification on bridges. Grading and paving, each approach to Green Lane Bridge.

Whitehall Commons, Improvement, Jackson and Filmore streets, Frankford. Owner, Dept. of Public Works, Bureau of Property, 216 City Hall. Owner taking bids due Dec. 29th. Certified check, 5%.

Miscellaneous Work, Phila. Owner, Dept. of Public Works, Bureau of Engineers. Owner taking bids due Dec. 28th. Certified check, 5%. Branch sewers, main sewers, extension of Littel Tacony Creek, Haverford from 69th to Lebanon. C: Sewage disposal project, channel and appurtenant work through government property and along county line between Darby and Church Creeks.

Contracts Awarded

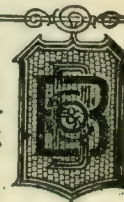
Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

Residence, Shurs Lane and Allen Lane, Germantown, Phila. Architect, Robert R. McGoodwin, 1600 Walnut street, Phila. Owner, Dr. George Woodward, North American Building, Phila. Stone, 2½ stories and basement,

80x31 feet; 29x21 feet, slate roof, oak, pine and cement floors, hot water heat, electric light, metal lath, tile work, bond, flagstone. Contract awarded Townsend, Schroeder & Wood, Drexel Building, Phila.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Service Stations (6), S. E. corner Chestnut and Farragut streets; N. W. corner 29th and Diamond streets; S. E. corner Torresdale and Gillingham street; S. W. corner Bethlehem Pike and Weiss street; Lehigh and Sedgley avenues, and Garnett Street, Phila.; 33rd and Westfield avenue, Camden, N. J. Architect, private plans. Owner, Charles Kahn, Morris Building, Phila. Contract awarded J. L. Fawley, 1615 Spruce street, Phila.

Building, 120 North Seventh street, Philadelphia. Architect, Max A. Bernhardt, 127 South Eighteenth street, Philadelphia. Owners, Southern Bookbinding Co., on premises. Reinforced concrete, steel, brick, 10 stories and basement, 63x68 feet, Barrett specification roof, cement and pine floors, elevators, plumbing, waterproofing, architectural terra cotta coping, steam heat, electric light, oil burners, metal lath, tile, marble work, rolled steel sash, bond, iron stairs, ornamental iron work, iron pipe, cinder concrete work, demolition, rolled steel windows. Contract awarded Cramp & Co., Denckla Building, Philadelphia.

School, Shawmont avenue and Silverwood street, Philadelphia. Architect, I. T. Catherine, Nineteenth above Chestnut street, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Brick, cast stone, steel, 3 stories and basement, 162x127 feet. Contracts awarded P. H. Kelly, 1713 Sansom street, Philadelphia. Plumbing, J. Borden & Brother, 637 North Nineteenth street, \$20,101. Electric, Walker-Keper, 535 Chestnut street, Philadelphia, \$17,123. Heating, McClintock & Co., 5608 Race street, Philadelphia, \$40,985. Ventilating, George Wadenfuhr, 812 East Montaawna street, Philadelphia, \$1,365.

Residence (alts.), Bethlehem pike near Germantown avenue. Architects, Tilden, Register & Pepper, 1520 Locust street, Philadelphia. Owner, J. E. Zimmerman, 1600 Walnut street, Philadelphia. Stone, cut stone, brick, steel, 2 stories and basement, 38x38 feet, tin and copper roof, cork and oak floors, plumbing, hot water heat, electric light, metal lath, tile and marble work, bond, ornamental iron work. Contract awarded J. E. Walt, 204 East Willow Grove avenue, Philadelphia.

Apartment House, Northwest Corner Thirteenth and Chancellor streets, Philadelphia. Architect, A. W. Hall, Fifteenth and Locust streets, Philadelphia. Owner, R. J. Seltzer, Fifteenth and Locust streets, Philadelphia. Reinforced concrete, brick, cut stone, steel, 21 stories and basement, 117x47 feet, built-up roof, cement work, cement and oak floors, tin-clad and kalamein doors, bond, metal weather strip, ornamental iron work, architectural terra cotta, cast stone, sprinkler system, electric equipment. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Crozer Building (alts.), Arcade Building, 1420 Chestnut street, Philadelphia. Architect, LeRoy B. Rothschild, 215 South Broad street, Philadelphia. Owners, Burlington Arcade Co., care of architect. Demolition, brick work, hollow tile (mackite partitions, hollow tile, steel and iron work, slag roof, metal lath, plastering, carpentry and mill work, marble and tile work, bronze work, painting, glazing, copper store front, hardware, cut stone, plumbing, steam heat, electric work, elevators, oil burners. Contract awarded F. V. Warren Co., 1913 Arch street, Philadelphia.

Hospital (add. and alts.) and Boiler House (add.), Broad and Ontario streets, Philadelphia, \$22,000. Owners, Samaritan Hospital, Broad and Ontario streets, Philadelphia. Brick, 2 stories add., 25x49 feet, general alterations, boiler house, brick, 1 story, 34x28 feet. Permit issued. Contract awarded H. P. Schneider, 3713 Old York road, Philadelphia.

Apartment House (alts.), Northwest Corner Twelfth and Berks streets, \$7,500. Architect, private plans. Owner, J. Robinson, Northwest Corner Fourth and Pine streets, Philadelphia. General alterations. Contract awarded Louis Cohen, 1904 North Twelfth street, Philadelphia.

Store and Residence (add. and alts.), 2615 North Twenty-ninth street, \$6,000. Owner, Anna Porter, 2452 North Napa street, Philadelphia. Brick, 1 story add., 16x8 feet, general alterations. Contract awarded Benjamin Tillinger, 1511 North Marshall street.

Residences (38), South side Jamestown street, West of Magdalena street, \$155,800. Architect, private plans. Owner, Maurice Heilveil, 1321 Arch street, Philadelphia. Brick, 2 stories, 15x35 feet, 12x12 feet, slag roof, hardwood and pine floors, hot water heat, electric light. Contract awarded August W. Voight, 1321 Arch street, Philadelphia.

Hotel (alts.), Southwest Corner Broad and Walnut streets, Philadelphia, \$15,000. Architects, Thomas, Martin & Kirkpatrick, Otis Building, Philadelphia. Owners, Bellevue-Stratford Hotel, on premises. General interior alterations. Contract awarded George A. Fuller Co., Morris Building, Philadelphia.

Residences (30), South side Godfrey avenue, East of Bingham street, \$129,000. Architect, private plans. Owner, Lee Silverman, 6019 Market street, Philadelphia. Brick, 2 stories, 15x28 feet, 12x11 feet, slag roof, pine floors, hot water heat, electric light. Contract awarded Modern Const. Co., 31 South Fifty-eighth street, Philadelphia.

Furnace Enclosure, Reed street, East of Meadow street, Philadelphia, \$15,000. Owners, Franklin Sugar Refining Co., on premises. Contract awarded Shoemaker Bridge Co., Pottstown, Pa.

Garage and Storage Building (add.), 2207 North Twenty-eighth street, Philadelphia, \$10,000. Architect, private plans. Owner, R. H. McKeefrey, 2209 North Twenty-eighth street, Philadelphia. Brick, 2 stories add., 37 feet 7 inches x 41 feet 6 inches, 19 feet 6 inches x 51 feet, slag roof, cement floors, electric light. Contract awarded John A. McKeefrey Co., 2209 North Twenty-eighth street.

Theatre (moving picture) (add.), 5926 Lansdowne avenue, Philadelphia, \$10,000. Ar-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD C. M. HEATON
W. DOUGLAS HOOD

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

**SAMPLES SUBMITTED
UPON REQUEST**

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure

TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

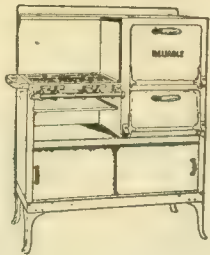
**SURETY
BONDS**

—PHILADELPHIA GAS RANGE CO.—
Come To Headquarters

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE
MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric



Write for our descriptive literature
display rooms. See our all por
equipment and Murphy cabinet iron
well as samples of the Murph

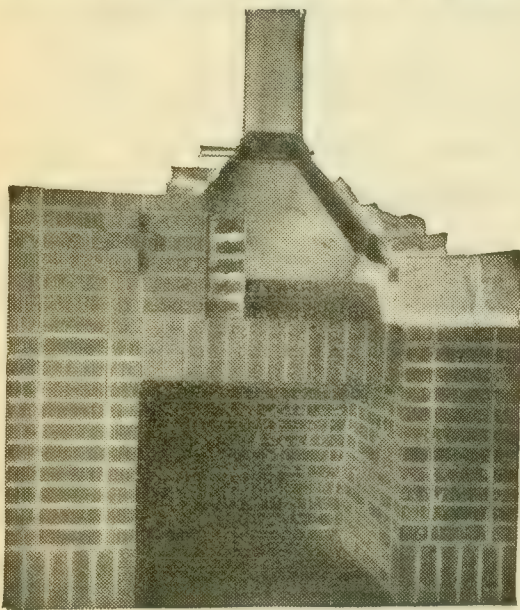
THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

Berk
19 W

THERE IS ONLY ONE IN-A-D
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

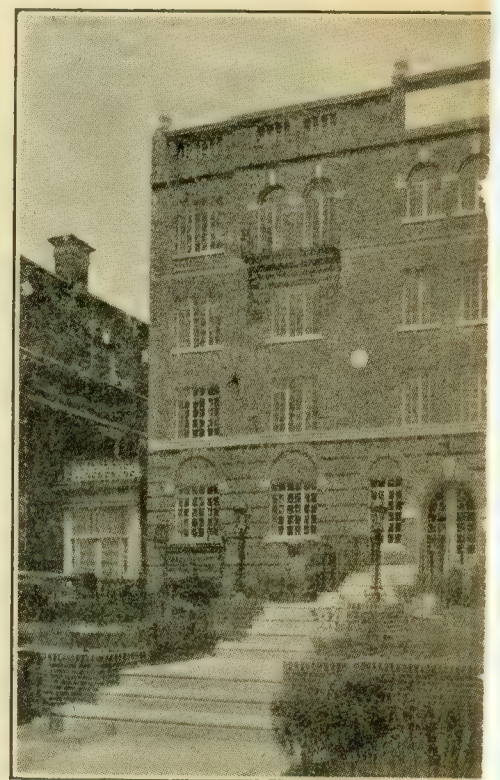
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Co
Building. The firms
recognized Standard a
Services. Avail yours
Write for Literature.



BUILD WITH ST. MARTINS BUILDING STONE "Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227

Italian Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON STO

Protects Masonry

Examine your concrete or stucco walls. If hair
the surfaces should be immediately waterproofed by appl

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegrati
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex look.

BEDS

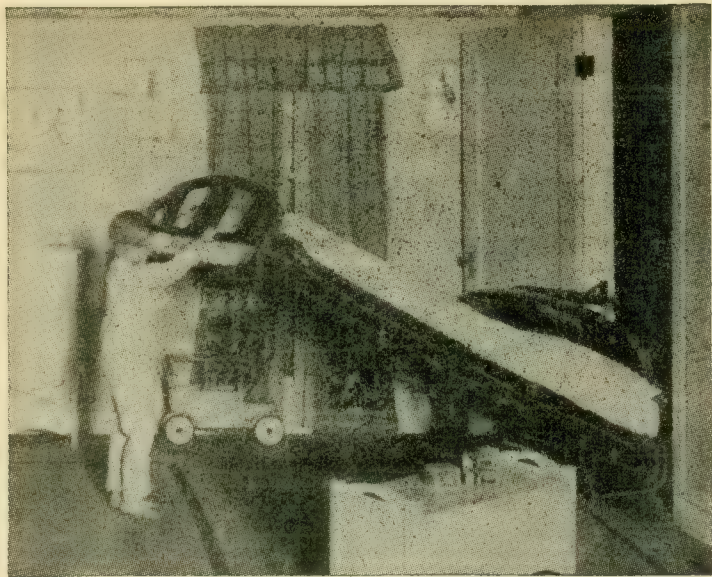
mes
ings

call at our
in kitchen
boards as
Beds

CO.

Building
44th Street
New York

BED



A child can operate the bed

comfortable, Convenient
here represented sell
Specified Materials or
of their co-operation.



NETEX
rfaces

cks are beginning to show,
Truscon STONETEX.

and the concrete is spalling
topped by the application

s it prevent moisture
so covers the surface
s flat. It does not
masonry.



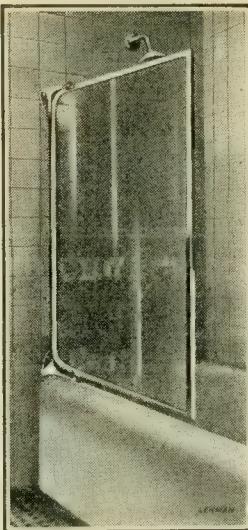
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

**WAREHOUSE STOCK IN
PHILADELPHIA**

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520

138-140 N. 55th St., Philadelphia

Keystone—West 1371

**AMERICAN
ALL-METAL WEATHER STRIPS**

of superior quality, will last a life time. The heavy gauge metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300

Baker Custom-made Window and Door Screens

R. A. SCHLETT, Manager

**MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St.

Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

**Face Brick
Paving Brick**

Ornamental Terra Cotta

Hollow Tile

Roofing Tile

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

chitect, private plans. Owner, Morris Nemetz, 5926 Lansdowne avenue, Philadelphia. Brick, 1 story add., 34 feet 6 inches x 60 feet.

TRIDENT
WATER METERS
 For New and Old Properties
PHILADELPHIA METER CO.
 942 Real Estate Trust Bldg., Philadelphia

Libmastic for Caulking
S. LIBMAN
 877 N. 41st Street, Philadelphia
 Phone, Evergreen 2473

Lewis Lumber Co.
 Lumber
 Stock Millwork
 Jobbers' Lumber
 Sheetrock
 Flintkote Shingles
324 Sloan Street
Philadelphia
 (Between 39th and 40th, off Powelton Ave.)
 Phone, Evergreen 4769

Reinforced Concrete
and Cement Work
 Get our estimate first on
 "THAT CEMENT JOB"
FREDERICK MASSIAH
 S. E. Cor. Juniper and Cypress Sts.
 Bell Phone—Walnut 4165
 Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
 The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION
BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
 Gates and Fencing, Pipe Work of all Kinds—Bent
 and Plain, Forgings and Special Iron Work.
ARROWHEAD STEEL GRATINGS
FRANK PETTIT ORNAMENTAL IRON WORKS
 REGENT 9857 1505-15 N. Mascher Street, Phila. PARK 4147-4148

Contract awarded William S. Gore, 1514 Latimer street, Philadelphia.

Residence and Store (add.), 127-29 South Forty-sixth street, Philadelphia, \$5,000. Architect, private plans. Owner, Rose Cahkmaklan, 127 South Forty-sixth street, Philadelphia. Brick, 2 stories add., 16x14 feet. Contract awarded S. Basso Co., 26 South Fifteenth street, Philadelphia.

Convent (alts.), 2131-33 North Broad street, Philadelphia, \$3,500. Architect, private plans. Owner, D. Cardinal Dougherty, Eighteenth and Race streets, Philadelphia. General alterations. Contract awarded Doyle & Co., 1519 Sansom street, Philadelphia.

Storage (repairs), 901 West Girard avenue, Philadelphia, \$1,500. Owners, Girard Market Co., on premises. Contract awarded E. Clifford Durell, 1713 North Twenty-fourth street, Philadelphia.

Stadium, Vernon road and City Line, Philadelphia. Architect, private plans. Owners, Temple University, Broad and Berks streets, Philadelphia. Reinforced concrete construction, seating capacity 20,000. Contract awarded Charles G. Erney, Broad and Airdrie streets, Philadelphia.

Store and Pool Room (add. and alts.), 462 West Lehigh avenue, \$5,800. Architect, private plans. Owner, George Hale, 464 West Lehigh avenue, Philadelphia. Brick, 2 stories add., 34x10 feet, general alterations. Contract awarded Arthur Windes, 2539 North Sixth street, Philadelphia.

Pennsylvania Construction News

Apartment House, Wayne, Pa. Architects, Boyd, Abel & Gugert, Otis Building, Philadelphia. Owner, J. Frazier Bard, 135 Runnemede avenue, Wayne, Pa. Brick, terra cotta, limestone, 4 stories, 16 apartments, hardwood floors, tile and marble work. Preliminary sketches in progress.

Squash Courts (2), Haverford, Pa. Architect, private plans. Owners, Merion Cricket Club, Haverford, Pa. Frame. Work contemplated.

Residence and Garage, Devon, Pa. Architects, DeArmond, Ashmead & Bickley, 20 South Fifteenth street, Philadelphia. Owner, Humbert B. Powell, Lincoln Building, Philadelphia. Stone, irregular in size, vapor heat, electric light, tile and marble work, hardwood floors, slate roof. Plans in progress.

Junior and Senior High School, Elizabethtown, Pa. Architect, C. Emlen Urban, Woolworth Building, Lancaster, Pa. Owners, Borough of Elizabethtown, School Board, C. E. Palmer, secretary, Elizabethtown, Pa. Brick. Work contemplated.

Hospital, York, Pa., \$1,300,000. Architect,

not selected. Owners, York Hospital, J. H. Whitley, College avenue and Oak Lane, York, Pa. Work contemplated.

Office Building, York, Pa. Architects, Gemmill & Billmeyer, Rosenmiller Building, York, Pa. Owners, York Water Co., C. M. Kerr, 42 East Walnut street, York, Pa. Fireproof, 1 and 3 stories, 32 feet 6 inches x 140 feet. Preliminary plans in progress.

Residence, Lewistown, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owner, Miss Laura M. Green, 135 East Market street, York, Pa. Construction undecided, 2½ stories. Preliminary plans in progress.

Office Building and Theatre, York, Pa. Architects, E. C. Horn Sons, 1476 Broadway, New York City. Owners, care of E. C. Apple, Strand Theatre, George and Philadelphia streets, York, Pa. Fireproof, 4 stories. Plans in progress. Will take bids next July.

School, South Fayette Township, Allegheny County, Pa., \$200,000. Architects, Lawrie & Green, 116 Locust street, Harrisburg, Pa. Owners, South Fayette School Board, W. J. Burne, secretary, Cuddy, Pa. Fireproof, 2 stories and basement. Preliminary plans in progress.

High School, Steelton, Pa., \$40,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Borough of Steelton School Board, L. F. Entwistle, Fourth and Walnut streets, Steelton, Pa. Preliminary plans in progress.

Fathergill School (add.), Steelton, Pa., \$40,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Borough of Steelton School Board, E. F. Entwistle, Fourth and Walnut streets, Steelton, Pa. Brick, 2 stories. Plans in progress.

Hygienic School (add.), Steelton, Pa., \$40,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Borough of Steelton School Board, E. F. Entwistle, Fourth and Walnut streets, Steelton, Pa. Brick, 2 stories. Plans in progress.

East End School, Steelton, Pa., \$10,000. Architect, C. H. Lloyd, Telegraph Building, Harrisburg, Pa. Owners, Borough of Steelton School Board, E. F. Entwistle, Fourth and Walnut streets, Steelton, Pa. Brick, 2 stories. Plans in progress.

Court House (add.), Media, Pa. Owners, County Commissioners, G. T. Wades, Media, Pa. Two new wings. Work contemplated.

School (add.) or New Building, Bridgeport, Pa., \$30,000. Owners, Board of Education, Mr. Moran, Bridgeport, Pa. Work contemplated.

Equipment for Pool, Lincoln Highway, Somerton, Bucks County, Pa. Architect, E. A. Schoeppe, 1437 Spruce street, Philadelphia. Owner, name withheld. Architect taking bids due December 28th for circulating equipment, consisting of circulating pipes for pool, filters, chlorinators, pumps and valves.

Lindbergh Bridge, No. 72, Darby Creek, Delaware County, Pa. County engineer, Media, Pa. Owners, Commissioners of Delaware County, G. T. Wades, Media, Pa. Low bidders: C. R. Camp, 10 South Eighteenth street, Philadelphia, \$126,400; J. J. Reighter, Harrisburg, Pa., \$134,450.

Pennsylvania Contracts Awarded

Residences (13), Garages (20), Ridley Park, Delaware County, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, name withheld. Frame and stucco, 2½ stories, 22x36 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Fred D. Brook, Inc., Ard-

more, Pa., who is taking sub-bids. Plans may be seen at the office of John J. Carroll, 1619 Chestnut street, Philadelphia.

Residence and Garage, Merion, Pa. Architect, John J. Carroll, 1619 Chestnut street, Philadelphia. Owner, Anthony Waterer, 714 Chestnut street, Philadelphia. Stone, block, stucco, 2½ stories, 68x40 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Fred D. Brooks, Inc., Ardmore, Pa., who is taking sub-bids. Plans may be seen at J. J. Carroll's office, 1619 Chestnut street, Philadelphia.

Pump House, Pottstown, Pa. Architect, Clark Dillenback, Twelfth and Market streets, Philadelphia. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Brick, concrete, steel, 1 story, 17x24 feet, Barrett specification roof, cement floors, terra cotta coping, rinder concrete block, iron work, bond. Contract awarded W. L. Hampton, Pottstown, Pa.

Hosiery Mill, Reading, Pa. Engineers, Nuebling & Mast, 519 Penn street, Reading, Pa. Owners, Busy Bee Hosiery Co., Fairmont and Alton streets, Reading, Pa. Brick, steel, 2 stories, 180x107 feet, concrete roof and floors, roof ventilators, waterproofing and dampproofing, iron stairs, rolling steel doors, skylights, steel sash. Contract awarded Dominick Maurer, 1018 Court street, Reading, Pa.

Residence, Wyomissing, Pa. Architect, Calvin J. Young, 226 North Sixth street, Reading, Pa. Owner, Keller B. Albert, Baer Building, Reading, Pa. Stone, frame, 2½ stories, 50x34 feet, slate roof, hardwood floors, hot water heat, electric light, metal lath. Contract awarded Charles H. Schlegel, 528 Washington street, Reading, Pa.

Moose Lodge (add. and alts.), Pottsville, Pa. Architects, Muhlenberg Brothers, Masonic Building, Pottsville, Pa. Owners, L. O. O. M., No. 411, care of architects. Brick, steel, 1 story, built-up or slate roof, hardwood floors. Contract awarded Lambert Hess, Mt. Carbon, Pa.

Orphanage (alts. and add.), Paxtang, Harrisburg, Pa. Architects, Witman & Royer, 47 East Market street, York, Pa. Owners, Klan Haven Association, care of architects. Stone, 2 stories, pine floors, general alterations, iron stairs, electric light (heating reserved). Contract awarded A. D. Miller, Penbrook, Harrisburg, Pa.

Recreation Building, Penn State, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Penn State College, Penn State, Pa. Brick, cut stone, limestone, reinforced concrete, 3 stories and basement, 224x169 feet, asbestos asphalt roof, cement and maple floors, hollow tile, safety treads, plumbing, waterproofing, flagstone, metal lath, terrazzo work, rolled steel sash, steel and kalamein doors, bond, ornamental iron work, iron pipe, area gratings, locker doors, insulation, Porete roof slabs, metal toilet partitions, linoleum, rubberoid roofing. Contract awarded J. B. Ferguson, Cleveland, Ohio.

Infirmery, State College, Pa. Architect, Charles Z. Klauder, 1429 Walnut street, Philadelphia. Owners, Penn State College, State College, Pa. Brick, limestone, steel, cut stone, 2 stories and basement, 38x102 feet, gray slate built-up roof, cement floors, hollow tile, safety treads, plumbing, waterproofing, metal lath, marble work, rolled steel sash, tin-clad and kalamein doors, bond, iron stairs, ornamental iron work, brass pipe, area gratings, cinder concrete block, metal toilet partitions, linoleum floors, plumbing fixtures, dumb waiters. Contract awarded J. B. Ferguson, Cleveland, Ohio.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Bucks County, R-150, Bensalem and Bristol Townships. Grading and drain-

age. Contract awarded H. C. Ambler, 3717 Old York road, Philadelphia, \$21,230.17.

Mifflin County, R-470, Granville Township. One course reinforced concrete. Contract awarded J. M. Hutchinson, Altoona, Pa., \$20,934.30.

New Jersey Construction News

Residences (50), Mt. Ephraim, N. J. Owners, James Strahn, George Kunkle, George Truser, Harold Russell, Mt. Ephraim, N. J. Work contemplated in spring, 1928.

City Hall, Ventnor City, N. J. Architect, V. B. Smith, Guarantee Trust Building, Atlantic City, N. J. Owners, City of Ventnor, care of Charles Reppetto, Ventnor, N. J. Plans completed. Will take bids after first of year.

Recreation Center, Wildwood, N. J. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street. Owner, William Lipkin, Wildwood, N. J. Reinforced concrete, brick, steel, 1 story, 335x200 feet, built-up roof, cement, oak and pine floors, carpentry and mill work, plumbing, waterproofing and dampproofing, steam heat, electric light, metal lath, marble work, bond, ornamental iron work, demolition. Architects taking bids due as soon as possible.

Lodge Building, Bridgton, N. J. Architect, Thomas Edward Ash, 2021 Chancellor street, Philadelphia. Owners, F. O. O. Eagles, Bridgton, N. J. Architect revising plans. Contractors, Graham Chambley Co., 3649 Filbert street, Philadelphia, will be ready for bids in two weeks.

Bridge, Cooper River, between Federal and State streets, Camden, N. J. County engineer, Camden, N. J. Owners, Board of Chosen Freeholders, Camden, N. J. Site not yet selected. Survey being made.

School Building, Wildwood Crest, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, Wildwood Crest, N. J. Owners will take bids due January 9th, 1928. Plans will not be ready for bidders for a week.

Show Room and Service Station, Haddon avenue, Camden, N. J. Architects, Lackey & Hettle, 5 Hudson Ave., Camden, N. J. Owners, Camden Cadillac Co., on premises. Brick, steel, cement block. Architects taking bids due December 30th before noon.

Boardwalk, Ocean City, N. J. City engineer, William H. Collisson, Ocean City, N. J. Owners, City of Ocean City, N. J. Wood walk, 3,500 feet long, 60 feet wide, concrete, beams. Owners taking bids due December 27th.

Grade School, New Haven and Troy avenues, Ventnor, N. J. Architect, H. A. Stout, Guarantee Trust Building, Atlantic City, N. J. Owners, Ventnor School Board, Anna L. Williams, Ventnor, N. J. Low bidders: Lam Building Co., Humphreys Building, Atlantic City, \$469,994; S. H. Headley, Guarantee

Trust Building, Atlantic City, N. J., \$511,000. Electric, Gruen Electric Co., 128 North Maine avenue, Atlantic City, N. J., \$18,720. Heating, David H. Moore, 1207 Commerce street, Atlantic City, N. J., \$63,670. Plumbing, Benjamin E. Labov, 212 Adriatic avenue, Atlantic City, N. J., \$16,670.

New Jersey Contracts Awarded

Bank Building, Broadway and Cooper streets, Camden, N. J. Architects, Simon & Simon, 249 South Juniper street, Philadelphia. Owners, First National State Bank, F. Morse Archer, Camden, N. J. Brick, cut stone, granite, reinforced concrete, limestone, 4 stories and basement, 79x124 feet, slag and tile roof, cement and linoleum floors, hollow tile, elevators, metal window guards, waterproofing and dampproofing, cinder concrete block, area gratings, iron and brass pipe, ornamental iron work, kalamein and hollow metal doors, rolled steel sash and skylights,

**Tabular and Continuous Taper
Copper Bearing Steel**

FLAG POLES

JOHN E. LINGO & SON
CAMDEN, N. J.

PILES, FOUNDATIONS CAISSONS

**ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.**

1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

WE SELL

With or Without Service

**FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete**

Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.

1844 North Front Street, Philadelphia

Phone—Regent 5911 Park 1373

**"ORTHITE" Products for Every
Requirement in Concrete**

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Bell Phone—Rittenhouse 9559 Keystone—Race 7653

Plant
Wissahickon Ave. & Juniata St.

Philadelphia

hollow metal sash, metal lath, marble and terrazzo work, electric light, vacuum steam heat, caulking, bronze, acoustical treatment, cabinet work, rubber flooring, mail chute, demolition, concrete piles, cork insulation, granolithic flooring, bronze sash, soundproofing, wood tile floors, plumbing, metal lockers. Contract awarded Irwin & Leighton, 1505 Race street, Philadelphia.

Residence, Pleasantville, N. J. Architect, private plans. Owner, Howard Risley, 6206

Haverford avenue, Philadelphia. Concrete block, brick, frame, 2½ stories, 28x35 feet, shingle roof, hardwood floors, hot water heat, electric light, tile work. Contract awarded Charles Thompson, Pleasantville, N. J.

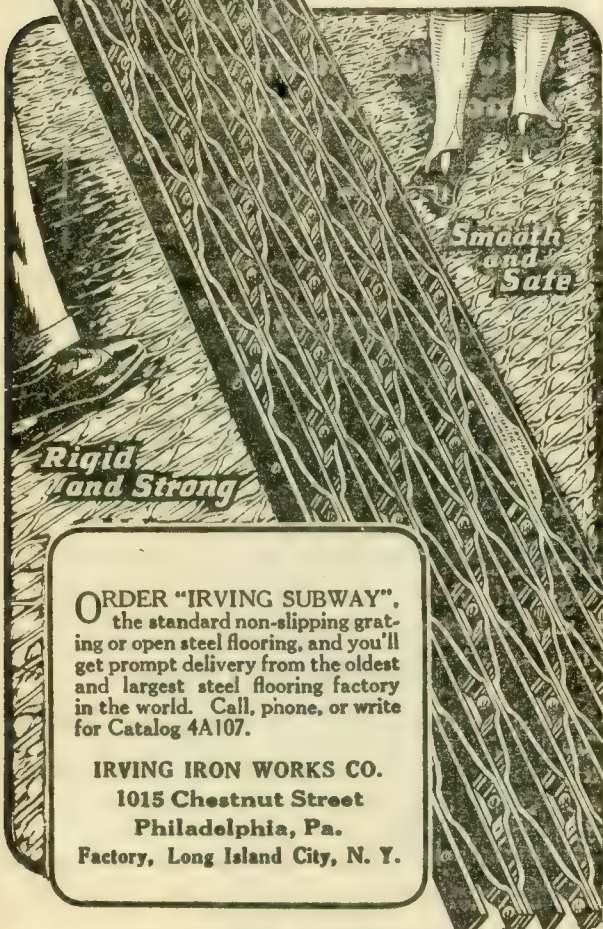
Store, 3514 Federal street, Camden, N. J., \$5,000. Architect, LeRoy B. Rothschild, 1420 Chestnut street, Philadelphia. Owner, John O. Wilson, Wilson Building, Camden, N. J. Brick and block, 1 story, 25x78 feet, slag roof, electric work. Contract awarded C. F. Reif, Audubon, N. J.

main doors and sash, tile work. Contract awarded Joyce & Kerrigan, Wilmington, Del.

Sunday School, Salisbury, Md. Architect, Norman Hulme, 1524 Chestnut street, Philadelphia. Owners, Asbury Methodist Episcopal Church, W. P. Jackson, Salisbury, Md. Stone, brick, 3 stories, 60x100 feet, slate roof, oak and pine floors, steam heat, electric light. Contract awarded J. Roland Dashiield, Salisbury, Md.

Cottage, Rehoboth, Del. Architect, E. William Martin, DuPont Building, Wilmington, Del. Owner, George F. Alderson, 222 Walnut street, Wilmington, Del. Frame, 2½ stories, 30x50 feet, shingle roof, pine floors, hot air heat, electric light. Contract awarded to Mr. Palmer, Rehoboth, Del.

Always-When You Need Gratings —



ORDER "IRVING SUBWAY".
the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

**OPEN STEEL
IRVING
FLOORING**

Miscellaneous Construction News

Cottage, Rehoboth, Del. Architect, E. William Martin, DuPont Building, Wilmington, Del. Owner, C. L. Ward, Delaware Trust Building, Wilmington, Del. Frame, 2½ stories, 35x50 feet, shingle roof, pine floors, hot air heat, electric light. Architect ready for bids.

Store (add. and alts.), 213 Shipley street, Wilmington, Del., \$12,000. Architect, private plans. Owners, Delaware Electric & Supply Co., on premises. Brick add., general alterations. Permit issued.

Gas Station, 511 Concord street, Wilmington, Del., \$9,000. Architect, private plans. Owners, Hearn Oil Co., Third and Commerce streets, Wilmington, Del. Brick, stucco, 1 story, 11x18 feet, zinc shingle roof, cement floors, electric light. Permit issued.

Residences (2), 2800-02 Jessup street, Wilmington, Del., \$7,000. Architect, private plans. Owner, Charles Main, 1315 King street, Wilmington, Del. Cinder block, 2 stories, 20x31 feet, slag roof, pine floors, hot air heat, electric light. Permit issued.

Miscellaneous Contracts Awarded

Alterations and Additions, Twenty-fifth and Market streets, Wilmington, Del. Architect, A. Abramson, 2315 Walnut street, Philadelphia. Owner, A. Markel, Wilmington, Del. Brick, 3 stories, 71x75 feet addition, brick, 3 stories, 71x75 feet, pine floors, plastering, cast stone pipe, steam heat, electric light, kala-

To all our subscribers, advertisers, friends, we extend the Season's Greetings—first thanking all for the support given us during the year and expressing the hope that all whom we have served have profited by using our services.

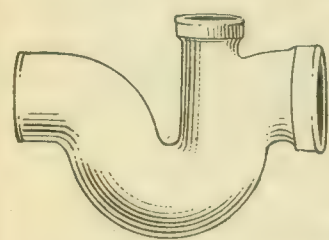
Business has not been the best for everyone in the architectural and building trades, but there have been years when conditions were not so good as this year. Of course, prices have not been quite so satisfactory, but the volume of business has held up almost to former years and the outlook for the coming year is very promising.

"Business is picking up. After January 1st it will be still better. Prospects are excellent," says Charles M. Schwab. These predictions coming from a great leader in business make us feel more confident about prospects for the coming year and help to assure prosperity and happiness, both of which we sincerely hope will come to all the architectural and building trades.

CONSTRUCTION DESTRUCTION AND RECONSTRUCTION

Address delivered by A. K. BAYLOR, of the General Electric Company, Before the American Construction Council, St. Louis, December 2, 1927.

I feel some diffidence in addressing the American Construction Council. Its ramifications through the various interests represented are so far-reaching that to merely list them without comment would fill quite a volume. On being invited to speak here, my first thought was to deal with some phase of construction directly related to the electrical industry, but after I had devoted some time to better acquainting myself with the form, purposes and major activities of this organization I found greater interest in considering the principles that brought the Council



**Prompt Service and Intelligent
Co-operation in supplying
FLUE LINING, WALL COPING, SEWER PIPE**
CALL—COLUMBIA 6526-6527. PARK 4981

William H. Clausen
27th and Diamond Streets, Philadelphia

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

into existence and touch broad national problems. Some of my thoughts may appear far afield from the immediate business of this meeting, but they are not I believe remote from the ultimate purposes of the Council. So I ask your indulgence; especially as your President is directly responsible for inspiring the trend of my remarks.

In his message to your Fourth Annual Convention, Mr. Roosevelt said:

"This after all is the heart of the American Construction Council movement—that progressive measures on the part of the construction industry shall be taken, and its ills, when they exist, cured not by governmental and court action, but by voluntary work of the industry itself. It is this that marks the movement as one of the big forward steps in American industrial organization."

Here is a keynote worthwhile not only for this group of industries, but all industries, communities and individuals; a universal chart to safe harbors.

In considering the varied work of the Council five activities appear to me of outstanding importance:

Better, and more permanent building, particularly as applied to homes. City and town planning.

The avoidance of seasonal peaks in building operations.

Extension of highway construction of improved character.

Financial practices as applied to construction work.

Your pamphlets on better buildings, especially dwellings, are convincing and startling. Evidently much of this construction is shoddy and unlikely to survive the mortgages that rest on most of it; and inadequacy is also apparent, especially in the cities.

Living, as I do, in a big city, I wonder what is to become of us under present tendencies. Tenement conditions grow more congested, and apartments less and less adequate in basic facilities; resembling tenements outwardly veneered. They spring up almost overnight, live their short day and are wrecked to give place to larger and higher ones (but lower studded) to house increased population with reduced accommodations and, of course, higher rents; as unamortized pre-

vious investments on the sites must be capitalized.

There is, moreover, no appreciable tendency by arcading, tunnelling or utilization of inner courts of skyscrapers, whether apartments, office buildings, hotels, stores or lofts to take the concentrated traffic they create away from already overcrowded streets.

It would appear that this sacrifice of office, store or living space at the ground level would be more than offset by enhanced value through convenience to the occupants of the building itself, without taking into account at all the immense public benefit in relief of street traffic congestion. Perhaps conditions will compel such treatment even of existing structures, especially where there are already spacious hallways, foyers or other non-rent-producing areas.

As for transportation during early morning and late afternoon hours, I must literally fight, not only to get on to public conveyances, but to get off again.

Automobile operation in all our cities becomes increasingly impracticable; and yet a presumably enlightened public persists collectively in a practice that subjects it individually to an intolerable nuisance. Neglecting inconvenience and the accident hazard, which are serious enough, there is an economic phase to consider. Everywhere we find the streets jammed with parked cars, rusting and deteriorating from weather exposure, representing vast cash investment—and several times that investment in unliquidated instalment debt. We ride short distances back and forth while vitality languishes for lack of open air exercise; and in many communities street car services, still indispensable to city life, languish for lack of patronage. The wide-spread ownership of automobiles has doubtless been a boon; but their improper use has not.

Surely there are limits to developments that depend not alone on strength of

building materials, but minimum possible living space per individual and mere ground areas. In smaller cities the case is not so bad, but the trend is the same.

It is estimated that over 50% of our

**Get our Estimate when
Planning to Build
Especially in New Jersey**

WM. C. MAGEE

*Contractor and
Builder*

315 Cattell Avenue

West Collingswood, N. J.

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

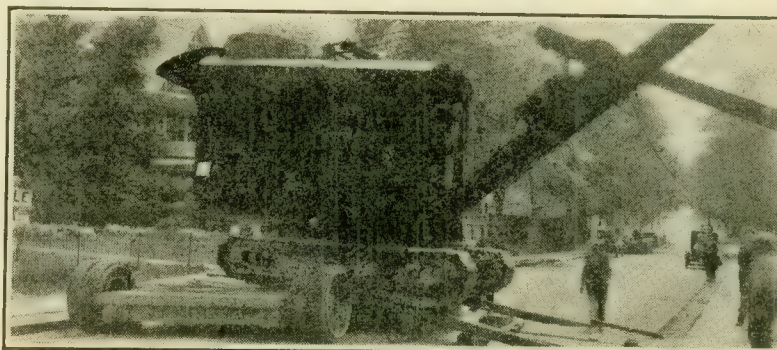
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

**BELL PHONE
CAMDEN 5686 R**

HEAVY TRAILERS FOR HIRE



**Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.**

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

**GENERAL
CONTRACTING CO.**

**68th Street and Greenway Avenue
Woodland 8862**

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

population is in the cities and that this percentage is growing. Is it possible that a stable society can be perpetuated under conditions that, for an increasing proportion of the people, make real home life and the proper bringing up of children a literal impossibility? Life under such conditions is almost entirely and necessarily artificial and humanity in seething masses develops its least admirable traits. Such congestion is a forerunner of national decay; and if posterity is entitled to any consideration, we should try to check and reverse this trend.

I believe the industry I represent will be an important contributing means to that end. Electric power, so universally available, is taking manufacturing into the open places; bringing at the same time modern comforts, conveniences, luxuries and entertainments to the homes that make up new communities thus created as well as to the far-flung agricultural populations. These developments have had as yet only a beginning, but warrant the hope that the movement of population may be reversed.

Meanwhile ephemeral structures grow everywhere like mushrooms and wrecking is a most active, and—I daresay—profitable activity. I have no idea as to what is the national total of investment value destroyed annually in process of wrecking to make way for new structures, but I venture to say the figure is greater on the average than all losses due to earthquakes, floods, tornadoes, agricultural blights, and other so-called force majeure put together. Especially is this true, I believe, if we include on the side of man-made destruction fire losses due to hazards created in mindful defiance of known safeguards.

There is hope of betterment to come from movements in the direction of City and Town Planning and an outstanding example of such planning is to be found here in the City of St. Louis. I wish the time permitted more specific comment on this subject, suggested by Mr. E. J. Russell's paper delivered at your Fifth Annual Convention. I hope we may reach a stage of further national awakening that takes more into account, not only zoning and street re-adjustments, but the detail character and design of buildings in relation to each other and to their environment. We have innumerable instances of structures individually beautiful and serviceable, but quite generally these are submerged and their utility encroached upon by immediate neighbors. Fine examples of the architect's genius are thrown into shadow—and approaches rendered inadequate by towering nondescript piles on either hand that in turn swear at each other architecturally.

May I be permitted in this iconoclastic time to make a plea for beauty? In our

great pressure of industrial activity, considerations of beauty (and other ideals) are often set aside; because there isn't, for the moment, "any money in it." But this is not entirely an idealistic matter. Beauty. Appropriate beauty is a real asset. Environment affects the very nature of a people in the long run. We have the means—unprecedented means—to build not only well, but beautifully; and to a large extent, I believe, we also have the taste; although it is not organized.

In our current operations we are trustees of the future and should begin to think more seriously about it from every point of view.

This means restraint and even sacrifice of some immediate gain in the present—for future benefits; but if we are interested only in "now" we will scarcely leave a mark on the scroll of time—and God help our descendants. The instant "now" as we contemplate it is gone and the past is useful only for the lessons it teaches. Some there may be who will ask "What has posterity done for us?" To them I would say "You are at least interested in the practical economic effect of your present actions upon your own presumptive future years; and in safeguarding those years you will automatically serve the interests of posterity."

As building activity is an underlying factor in the economic index at all times, far-reaching benefit may come from your efforts to level the volume and eliminate peaks and valleys; not merely seasonal, but periodic in terms of years.

Success in this effort will surely tend to check development of booms and panics which have come generally without change in inherent conditions; due to swings in the public state of mind that governs the flow of money.

These recurring ups and downs give constant warning of the dangers of excess; and yet, so short is popular memory and foresight the same errors are repeated with the same results many times during the span of a single generation.

Our land is blessed with an as yet unexhausted and unmeasured diversity, which is the means of balance. It remains for us to apply this diversity and check extreme fluctuations.

There was an inscription on the Transportation Building at the Chicago World's Fair to the effect that "Next to printing the greatest civilizing influence has been the development of facilities of transportation."

In the field of highway improvement, there is vast opportunity for this Council to express itself. There are said to be in the U. S. approximately four million miles of such highways of all types and a great deal of it certainly is destroyed and has to be replaced before reserves against cost of construction have been fairly es-

tablished. As we must have highways at any cost this process if continued will accumulate a staggering debt against the future.

In this connection the menace of economic waste is particularly great; but there is such menace in all bad construction. Yet leaders who maintain quality in materials or workmanship are often at a disadvantage in price competition, although well established reliability costs money and represents real value. Obviously we desire the best at the lowest price; and the only way to get high quality combined with low cost is to give support through volume to quality workers. Some factors of quality are intangible in a finished product or structure. What may be measured by the foot rule—weighed on the scales or outwardly observed—may not be a competent criterion of endurance or even strict suitability for a given purpose. Such qualities are often "buried," so to speak, in the processes of construction and may only be demonstrated by the crucial trial of actual service. The most carefully drawn specification does not insure excellence without the personal factor of the manufacturer or contractor who interprets and executes it. This economic phase is largely in the hands of buyers. If they over stress cheapness, quality and the endurance that goes with it are gradually and necessarily sacrificed.

The lay public is quite dependent upon the construction professions and trades and it is well for the public and much to the credit of these professions and trades that they have organized this Council and are combining efforts in the interest of better standards and practices.

Amongst the literature of your Council that I have studied is the address of Mr. S. W. Strauss, delivered in Cleveland a year ago, on "Financing the Building Industry," and I will not presume to add anything to such an analysis by such an eminent authority. Obviously the question of finance touches the root of every purpose of this Council—or any other, organized for practical accomplishment. The laws of credit are well known and are much older than any of our industries.

Nationally we have much wealth broadly scattered and therein lies a blessing and a danger. While individuals and business organizations are entitled to benefits of reasonable credit for the enjoyment of necessities and comforts of living, or the development of business, the tendency when money is easy is to operate on easier terms. Such laxity encourages looseness that leads to fraud, on the one hand, and loss and distress on the other. Surely the most healthy class of installment buying is in the purchase of homes; but it is no kindness to the purchaser to lead him beyond his depth.

It should be possible through concerted action by banks, surety companies and other financial reservoirs to educate the public and safeguard them and business in general against these dangers; and also to isolate fraudulent schemes so that they may stand out conspicuously in the public eye.

So much for some of the specific activities of the American Construction Council.

* * *

All students of history must be impressed and depressed by the monotonous repetition of the story of nations.

First—their inception, foundation, early struggles, progress, success, ripened growth and strength in varying degrees—the period of Construction. After that the waning of rugged virtues in the higher, leading or governing classes; followed by decay and collapse—the period of Destruction. Then Reconstruction—usually on a modified political basis, but, in whatever form, doomed apparently to repeat the cycle; because subject to unchanging characteristics of human nature—ambition, courage, strength, self-restraint, virtue, under adversity—laissez-faire, relaxation, carelessness, weakness, self-indulgence, vice under the insidious influences that breed most prolifically in the womb of prosperity.

We are young as a nation, but stand at the highest point yet registered in wealth and material strength; with much in our record that is an example before the world and of which we may well be proud.

First there was established here the most perfectly balanced form of government yet recorded in history; at least it was so at its inception. The people at large have had greater encouragement and freedom of initiative than those of any other State have ever enjoyed. As a result we have stimulated research and industrial development, and, more than any other nation, have contributed to the world the benefits of practically applied science and invention; while securing to ourselves the highest world record of average living conditions.

We have distributed wealth through wide-spread employment and high wage scales until nearly 50% of all our people, represented by families, are capitalists—owners of property, securities, insurance policies and deposited cash reserves. At the present rate we will perhaps within a decade pass the 50% mark and become a majority nation of capitalists. Then we will have set up a condition unprecedented in human history under which the majority, in immediate self-interest, will seek to raise, educate and enrich the minority. For the owner of property wants others to be the property owners, so that the rights of property will be more

generally respected. The greatest weakness in all civilizations has been that the majority, having little or nothing, has envied a minority that enjoyed all the better things of life; and, at critical periods, has risen and crushed that minority. Then the mass or communistic idea in turn breaks down because of the irradicable instinct of individual ownership.

I can conceive of no more startling reversal of political form than will result if this tendency is carried to its logical conclusion. The subject has been critically reviewed by Prof. Thos. N. Carver, of Harvard, in a book entitled, "The Present Economic Revolution in the U. S."—which is well worth study.

So we may hold our heads high as to material development up to date. But other nations have grown prosperous and powerful; have had their periods of political soundness; have attained to heights in art and literature that have not been excelled or perhaps, equalled; and yet they have fallen; fallen for lack of wide-spread common interest; and because of the intoxicating influence of their very prosperity and strength.

Then volatile material accumulations have "taken to themselves wings"; and disintegrated, like a bubble pricked.

The question is how much that we now enjoy is inherited socially and politically from our ancestors, and materially from natural resources; and are we dissipating or conserving our inheritance so that it may be passed on not only unimpaired, but enhanced? Are we adding to the the strength of social and political forms that have been the root and fertile soil from which our welfare has sprung; or are we permitting them to be undermined and vitiated? Are we taking all reasonable precautions to conserve natural resources? Are we building well our material structures or are they yielding to the influence of an all pervading "jazz?" Has our curve of fundamental progress a healthy upward trend, or does it lag and even turn downwards in some respects?

In short, are we sound—or, at a faster rate and on an extended scale—merely on the way to repeat the ancient cycle?

In answer to these questions present material wealth is no criterion. On the contrary it is in fact the eternal Lethe that induces complacency and may blind us to swelling adverse under-currents. As Poor Richard said, "When prosperity was well mounted she let go the bridle; and soon came tumbling out of the saddle."

I make bold to say that there is evidence of treacherous under-currents that threaten our standards even to the domestic hearth stone; and if that foundation fails then the stupendous and complex mechanism of production and trade is but

a treadmill or a merry-go-round without enduring purpose.

Politically we have cut many of the moorings so carefully conceived and anchored by the founders and have ceased to be a fully counter-checked Republic.

We continue to complicate our body politic with an ever-increasing flood of ill-considered, restrictive and inapplicable legislation—coupled with fiscal follies that are not even experiments, but repetitions of well authenticated blunders of the past. Warnings are ample; but when speed is the chief consideration guide posts are the least.

During recent years our Federal debt has been decreased and revenues conserved to the relief of Federal taxes; but the public debt of states and municipalities has more than offset the gain; throwing the burden onto that majority class that can least afford to bear it, in increased rents and other immediate living expenses.

We need a consolidated Balance Sheet.

Unsound political finance may float for a while, but not indefinitely, upon a prosperity that grew chiefly from private initiative based on directly opposite policies; just as a lax society may revel for a while, but not indefinitely, in an affluent social structure built under a stricter regime.

We all know when a barn door should be locked.

It would, I believe, be a blessing if we could wipe out the legislative accumulation to make way for fundamental codes in their original and logical form; but the mills grind on. Elihu Root stated some time ago that in five years 60,000 new laws were enacted in the U. S., most of them penally restrictive. Are we, in consequence, a better and more law-abiding people; or are we in effect merely kicking ourselves in the back?

We seem to have forgotten that our national growth arose from a bill of rights, and not a bill of restrictions, under the theory that government is best that practices economy and governs least.

Turning to the question of national resources, that are not inexhaustible, what of denuded timber lands without a full application of known and practical means of restoration? What of mineral deposits withdrawn at a rate Nature cannot replenish, and uneconomically consumed? These deposits are vast, but a population increasing in numbers, and the means of satisfying even its most extravagant tastes, is compounding the consumption rate. What of exhausted agricultural tracts without proper precautions, through rotation and diversity of crops, to revitalize them?

I believe that correction must come through enlightened self-applied action of the people at large, under the guidance of

those who in practical fact represent the Nation.

After all a nation is primarily a great business institution and is strong or weak in proportion to its trade and commerce, that reflect its natural resources and the enterprise of its people. Hence the main national hope lies in its leaders; in agriculture, transportation, manufacture, industries generally, labor of all classes and last, but not least, finance; all acting in mutual, harmonious accord.

Here is the logical crux of the matter—mutual, harmonious accord—which sounds so simple, but isn't. We strive for adjustment through legislation and fail for what seems a most obvious reason. Most of these laws spring from an antagonistic urge of one interest or class against others; engendering bitterness, enterprised economic strife and class conflict. Moreover, being so conceived, the laws generally emerge in a restrictive, rather than a stimulating form.

We are prosperous now because of private initiative and the leadership of practical men, of life-long experience; and such developed or developing weaknesses as there may be must be corrected by such men. There is no other class so competent, so immediately concerned, or that more earnestly champions social betterment. Business, big or little, cannot survive except on the basis of public interest. A prosperous public is its life blood and the breath of its nostrils.

I am sufficiently optimistic—perhaps stubborn—to argue as follows:

History has amply demonstrated that nationally sound practices and ideals cannot be made enduring by fiat or legislation. And yet I refuse to accept the conclusion that the "cycle" is inevitable and that all civilization must fall. They have fallen because they have repeated the errors of their predecessors.

Furthermore, the beginnings at least of corrective action are now in process—still scattered and relatively small, but increasing in scope and force.

One of the leading factors in our national progress has been the tendency in industry to organize associations for mutual conference. Nowhere else in the world may be found so many associations of this character. As a result there has come about a remarkably high degree of standardization in most industries stimulated by Federal co-operation, unique in governmental history. Standardization has brought improved products at lower costs through mass production with high wage scales; giving us an accelerated domestic consumption and a marked advantage in world competition.

This Association movement has grown to an extent, in fact, that calls for study; lest it become itself unduly complicated. There appears to be need of simplification of association work to effect economies

in the matter of conventions, over-lapping of functions and conflicting activities.

Among these associated groups the American Construction Council is notable in some respects. Construction is the measure of material growth. The substance of the nation or community is not represented chiefly by population, or by wealth in terms of money, but by its tangible structures.

All branches of construction come within the scope of your functions, as I understand them. I know of no trade or industrial nucleus that involves such a wide range of activity as this conference with representatives of architects; engineers; manufacturers of materials and equipment; builders and contractors; financial agencies, labor groups, public utility and political bodies—Federal, State and Municipal. In most of these groups are separate organizations working for betterment in their respective fields and this Council was conceived, I take it, to be the means of adapting their policies one to another and providing opportunity for mutual adjustment in the best public interest. This body might in fact lead to an even broader clearing house of association activities; as every material accomplishment involves construction in one form or another.

Then there could periodically meet in voluntary congress representatives of all the separately organized elements of the nation to crystalize their ideals; free from any hope of reward or fear of rebuke from the ballot box.

So might the real leaders become the *de facto* government ruling by precept rather than a penal code; working together towards higher standards than any written laws could presume to embody or enforce.

Then legislative mills might rust for lack of grist from clashing interests; but that need cause us no regrets. Bureaus might wither and dry up for lack of inquisitorial functions to perform; but that also we might endure with fortitude.

So much for Utopian visions.

The problem before us is this—Can we change the sequence of the cycle and pass from Construction to Reconstruction without going through consuming fires of Destruction?

At least we have made a start and may assume that we are shaping an era of Reconstruction as fundamentally important as the very foundations of the nation—an era during which we and the immediate following generations may deserve, from those who inhabit the land a hundred and fifty years hence, a gratitude and reverence as great as we now render to the pioneers of '76. Here is a trusteeship and an obligation.

But all this will not come to pass without sacrifice and sustained effort of far-seeing men to mould a public spirit above

and beyond the immediate interests of current business.

I do not suggest that this Council should address itself to applying all, embracing panaceas, but its activities affect the main root of material things; and the habits and customs of the people may be more effectively influenced through their material welfare than by any threatening arm of the law, or persuasive reasoning and appeals to idealism. Indeed an idealism that does not ultimately square with material welfare has a flaw in it.

My thought is that the American Construction Council because of its broadly chosen sphere of influence might become the laboratory from which would emerge a simplified nucleus of joint activities; drawing into coordinated action all principal economic, and perhaps, social forces, that together could establish another national record.

Man is endowed by nature—most cruelly it appears—with tastes and tendencies that generally run counter to Her inflexible laws. So we find that human strength and real advancement individually or collectively, come only with self-discipline and self-restraint in the Present, heedful of the Past, that, through the operation of cause and effect has disclosed the laws; and ever mindful of the Future.

We have at our command a great Ship of State with the compass of the Past to guide us. We have fabulous—well nigh unlimited means. Have we the wisdom and courage to steer by the compass against popular currents?

We are better equipped than any earlier civilization or generation and not only have we means in abundance, but our rapid advance to national leadership and wealth has come within a half century—the period of industrial development and in large measure the very men are with us in active life who built the structure and know the ways of strength. Can we as a nation take ourselves in hand and by mass volition correct our faults and weaknesses while still in the sunshine of prosperity?

Such a performance is without precedent in history and if we should prove equal to the task all other national records would pale beside it.

Is it too much to hope that an outstanding influence toward such a consummation may be the destiny of The American Construction Council?

All advertising pays—even that which is poorly constructed. A bad ad. is better than no ad. at all. It is worth all that it costs in the competitive world of the present day, merely to keep one's name where the possible buyer cannot help seeing it. To be out of sight in the commercial world is to be out of mind.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS
Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS
Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER
Blue Print Shop. 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS
Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES
Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK
Huskey Mfg. Co. Columbia and Howard Sts., Phila.

CAISSONS
Foundation & Construction Co. 1320 Race St., Phila.

CAULKING
S. Libman. 877 No. 41st St., Phila.

CAST STONE
Penn-Jersey Cut Cast Stone Co. Woodbury, N. J.

CEMENT
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila.

CEMENT WORK
D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)
Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK
Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT
Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

CRANE SERVICE
Selby Battersby & Co. 810 Noble St., Phila.

CURTIS WOODWORK
Palm, George W. 4514 N. Front St., Phila.

DAILY BUILDING NEWS
Gillingham Co. Norris and Richmond Sts., Phila.

DAMP-PROOFING
Building News Pub Co. 1530 Chestnut St., Phila.

ANTI-HYDRO WATERPROOFING CO.
24th and Parkway, Phila.

BARNETT BINGSWANGER, JR.
829 N. 3rd St., Phila.

BUILDERS SPECIALTY CO., INC.
1844 N. Front St., Phila.

CONCRETE WATERPROOF PAINT CO.
829 N. 3rd St., Phila.

PAR-LOCK APPLIERS OF EASTERN PENNA., INC.
1700 Walnut St., Phila.

TRUSCON LABORATORIES.
1505 Race St., Phila.

MURPHY DOOR BED CO.
512 Bulletin Bldg., Phila.

OVERHEAD DOOR SALES OF PHILA.
1526 Vine St., Phila.

DRAWING MATERIALS
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR
W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING
General Contracting Co. 68th and Greenway Ave.
Palm, George W. 4514 N. Front St., Phila.

FENCES
Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

FIREPROOFING
Potts, Horace T., & Co. Erie Ave. & "D" St., Phila.
Reisbord, Wolf 138-140 N. 55th St., Phila.

FLAG POLES
Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLOOR HARDENER
J. E. Lingo & Son. Camden, N. J.

FLOORING (Rubber Tile)
Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)
Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING
Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS
Foundation & Construction Co. 1320 Race St., Phila.

FURNACES AND RANGES
Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES
Fleck Bros. Co. 50 N. 5th St., Phila.
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS
Irving Iron Works. 1015 Chestnut St., Phila.

GYPSON PRODUCTS
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS
Bowers Bros. & Co. 2015 Sansom St., Phila.

HEATING BOILERS
Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE
Clausen, Wm. H. 27th and Diamond Sts., Phila.
Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE
Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

IRON AND STEEL BARS AND PLATES
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

IRON AND STEEL (Structural and Ornamental)
Potts, Horace T., & Co. Erie Ave. and D St., Phila.

LEDERLE, ROBT. B., & CO.
Witherspoon Bldg., Phila.

MONTGOMERY IRON & STEEL CO.
2500 Duncan St., Phila.

PETTIT, FRANK, ORNA. IRON WORKS.
1505 N. Mascher St., Phila.

REISBORD, WOLF
138-140 N. 55th St., Phila.

WHARTENBY, HARRY A.
1823 Brandywine St., Phila.

KITCHEN CABINETS
Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

LINOTILE
Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER
Gillingham Co. Norris and Richmond Sts., Phila.
Ketcham, Howard. 3rd and Girard Ave., Phila.
Lewis Lumber Co. 324 Sloan St., Phila.

SHAW, JAMES, & SON CO.
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC
Belfi Bros. Co. 1923 Market St., Phila.
Camden Tile Co. Camden, N. J.

ITALIAN MARBLE MOSAIC CO.
433 Spruce St., Phila.

PENNSYLVANIA TILE AND MOSAIC CO.
1637 Wood St., Phila.

ROMAN MOSAIC & TILE CO.
435 Green St., Phila.

MASON BUILDER
D'Lauro, John 7732 Ardleigh St., Phila.
Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH
Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS
Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK
Gillingham Co. Norris and Richmond Sts., Phila.
Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PAVING BRICKS
Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS
Weber, F., Co. 125 S. 12th St., Phila.

PILES
Foundation & Construction Co. 1320 Race St., Phila.

PLASTER (Colored)
California Stucco Products Co. 1316 Olive St., Phila.

PLASTERERS
Keen Bros. Merchantville, N. J.

PLASTER KEY
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES
Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS
Miller, Henry M. 46-48-50 N. 2nd St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.
Welsbach Company. Gloucester, N. J.

REINFORCING BARS
Montgomery Iron & Steel Co. 2500 Duncan St., Phila.
Penn Steel Service Co. Fuller Bldg., Phila.
H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY
Service Supply Corp. 20th & Venango Sts., Phila.

ROOFING
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

JOHN NACEY CO.
7254 Paschall Ave., Phila.

WARREN-EHRET CO.
Luzerne and "E" St., Phila.

ROOFING MATERIALS
Fireproof Construction Co.,
8th and Cheltenham Ave., Phila.

MACGARVIE, JAMES B.
Magnolia, N. J.

JOHN NACEY CO.
7254 Paschall Ave., Phila.

PENNSYLVANIA GYPSUM CO.
Franklin Trust Bldg., Phila.

WARREN-EHRET CO.
Luzerne and "E" St., Phila.

ROOFING SLATE
Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE
Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING
Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS
Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL
The Van Sciver Corporation,
The Parkway at 24th St., Phila.

WEST JERSEY SAND & SUPPLY CO.
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING
Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE
Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)
Pearce Fireproof Co. 1911 N. 2nd St., Phila.

SHAW, JAMES, & SON CO.
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS
Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS
Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING
Palm, George W. 4514 N. Front St., Phila.

STEEL SASH
David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE
St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

STUCCO MANUFACTURERS
California Stucco Products Co. 1316 Olive St., Phila.

SURETY BONDS
Insurance Co. of North America. 1600 Arch St.
Leon Merz Co. 220 S. 16th St., Phila.
Simpson-Anderson Co. Widener Bldg., Phila.
Smith-Austermuhl Co. Camden, N. J.
Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)
Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.

TERRA COTTA SEWER PIPE
Ketcham, O. W. 121 N. 18th St., Phila.

TILE AND TERRAZZO WORK
Clausen, Wm. H. 27th and Diamond Sts., Phila.

BELFI BROS. CO.
1923 Market St., Phila.

CAMDEN TILE CO.
Camden, N. J.

ITALIAN MARBLE MOSAIC CO.
433 Spruce St., Phila.

PENNSYLVANIA TILE AND MOSAIC CO.
1637 Wood St., Phila.

ROMAN MOSAIC & TILE CO.
435 Green St., Phila.

TRANSITS
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Weil, J. H., Co. 1315 Cherry St., Phila.

WALL BOARD, COMPO BOARD
Ketcham, Howard. 3rd and Girard Ave., Phila.

WALLBOARD
Pearce Fireproof Co. 1911 N. 2nd St., Phila.
Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

SHAW, JAMES, & SON CO.
52nd and Woodland Ave., Phila.

WALL COPING
Clausen, Wm. H. 27th and Diamond Sts., Phila.

WALL PLASTER
California Stucco Products Co. 1316 Olive St., Phila.

WATER HEATERS
Fleck Bros. Co. 50 N. 5th St., Phila.
Philadelphia Gas Range Co. 1026 Arch St., Phila.

WATERPROOFING
Anti-Hydro Waterproofing Co. 24th and Parkway
Builders Specialty Co., Inc. 1844 N. Front St., Phila.
Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.
Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

TRUSCON LABORATORIES.
1505 Race St., Phila.

WEATHERSTRIPPING (Metal)
American Metal Weatherstripping Co.,
2115 Diamond St., Phila.

WINDOW GUARDS AND WIRE PARTITIONS
Audubon Wire Cloth Co. Audubon, N. J.

POTTS, HORACE T., & CO.
Erie Ave. and D St., Phila.

REISBORD, WOLF
138-140 N. 55th St., Phila.

WINDOW REFLECTORS
Phila. Daylight Co. Bourse Bldg., Phila.

WIRE AND WIRE WORK
Audubon Wire Cloth Co. Audubon, N. J.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

BUILDERS' RISKS ARE MANY
but the cost of protection is
trifling.

Don't let a fire, windstorm,
or some other eventuality catch
you with nothing to defray
your loss.

Any North America Agent
will be glad to give you full
information and advice on this
form of insurance, without
obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*

**You Can Pour Concrete
In Freezing Weather When
You Use "ANTI-HYDRO"**



Lehn & Fink Building, Bloomfield, N. J. Buchman & Kahn, Archts. Chas. R. Hedden Co., Contrs.

This entire building was constructed between November and February
with the aid of "ANTI-HYDRO."

"ANTI-HYDRO" lowers the freezing point of concrete and cement mix-
tures to 17 degrees below the freezing point of water, making it possible
to continue concreting, cementing and masonry work during freezing
weather and finish your contracts on time with prompt payments for
completed work.

"ANTI-HYDRO" is an easy-to-use liquid integral compound which also
permanently hardens and waterproofs concrete all in one operation.
It mixes readily with the gauging water without the aid of skilled labor.
During 23 years of continuous use "ANTI-HYDRO" has never failed to
live up to the claims made for it. Satisfactory results are guaranteed.
Use it on your next job.

ANTI-HYDRO WATERPROOFING COMPANY
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

ESTIMATES GIVEN ON BLOCK
BRICK AND STONE WORK

NO JOB TOO LARGE OR TOO SMALL
WE GO ANYWHERE

VINCENT MERCALDO

MASONRY CONTRACTOR BUILDER

EXCAVATING AND QUARRYING

411 LOCUST AVENUE
GERMANTOWN, PA.

TELEPHONE: GERMANTOWN 7564

BELL PHONES: WAVERLY 5650, 5651

HARD LEAD PRODUCTS

FIREPROOF CONSTRUCTION COMPANY

EIGHTH STREET AND CHELTEN AVENUE, OAK LANE PARK
PHILADELPHIA, PENNA.

ROOFING CONTRACTORS

BUILDERS OF THE FINEST ROOFS IN AMERICA
SLATE, TILE, COMPOSITION, METAL

"ABOVE ALL YOU NEED A ROOF"

Builders' Guide

Entered at the Philadelphia Post Office as Second-Class Matter

Vol. XLII, No. 52
December 28, 1927

Issued Weekly in the Interests of Architects, Structural Engineers, Contractors
and the Material and Equipment Trades

Less than One Year
25 Cents per Copy

Cold Storage Insulation

BOILER and PIPE COVERINGS

*Cork Brick Floors—Linotile Floors
Cork Tile Floors—Cork Board
Granulated Cork*

NONPAREIL CORK PIPE COVERING

For Brine, Ammonia, Ice Water
and Cold Water Lines

STEAM and HOT WATER PIPE COVERINGS
ALL GRADES

HOUSE INSULATION

JOHN R. LIVEZEY Glenwood Ave.
W. of 22nd St.

DISTRIBUTOR and CONTRACTOR PHILADELPHIA, PA.
BELL, DIAMOND 4003 KEYSTONE, PARK 2074

PENNSYLVANIA GYPSUM COMPANY

GENERAL OFFICES
Franklin Trust Building
PHILADELPHIA

PLANT
Delaware Ave. & Jeffrey St.
CHESTER, PA.

MANUFACTURERS OF

"P. G." Land Plaster

"P. G." Gypsum Partition Blocks
All Sizes

"P. G." Stucco

"P. G." Hardwall

"P. G." Roof Tile

"P. G." Wood Fibred Plaster

"Gyproc" Wall Board

"P. G." Plaster of Paris

"Gyproc" Joint Filler

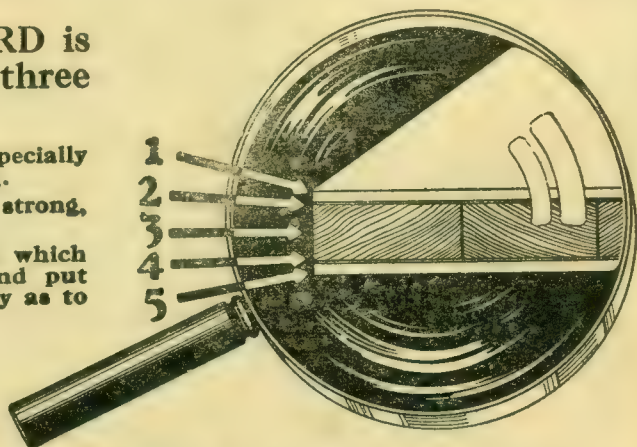
"WHY BUILD TO BURN?"

COMPO BOARD is
composed of three
parts:

Nos. 1 and 5 are a specially
prepared tough covering.

Nos. 2 and 4 are a strong,
waterproof cement.

No. 3 is wood slats, which
are thoroughly dried and put
together indiscriminately as to
grain.



Compo-Board

REG. TRADE MARK

Successfully used for walls and ceilings for over thirty years.
Insulates. Takes any decoration. Will not warp.

Immediate Delivery by Auto Truck

HOWARD KETCHAM, Sole Agent

Third and Girard Avenue, Philadelphia

ALL LUMBER UNDER COVER

"THE YARD WITH THE STOCK"

We Prefer

to do the class of work we can afford
to tell the other fellow about, because
that keeps old friends and brings
new ones.



W. V. PANGBORNE & Co.

ELECTRICAL and MECHANICAL
CONSTRUCTING ENGINEERS

1927-29 W. Montgomery Avenue
PHILADELPHIA, PA.



AUDUBON WIRE CLOTH CO. INC.

BELL—AUDUBON 1414
KEYSTONE—MAIN 9106
Direct Wire

ORNAMENTAL IRON AND
WIRE WORK FOR BANKS
AND BUILDINGS
COLLAPSIBLE GATES
ELEVATOR
ENCLOSURES
SAFETY GUARDS

WIRE AND SHEET METAL
BANK CAGES AND GRILLS
IN BRASS, BRONZE AND STEEL
WIRE GUARDS
BRIDGE MACHINERY
WINDOW SKYLIGHT
PARTITION AND TOOL
ENCLOSURES

SCREENS

COAL
SAND
GRAVEL

STONE
ORE
COKE

SIEVES AND RIDDLES

Special Estimating Service
to Architects and Contractors

AUDUBON, N. J.

Philadelphia Auto Delivery Daily

WIRE CLOTH
FINE AND EXTRA FINE
MESHES IN ALL METALS

READY MIXED CONCRETE

*This Method has Many
Advantages and is a
Real Economy*

Concrete already mixed and delivered
right to your job by trucks is a time
and money saving method being adopted
by many contractors and builders.

Why not call us up for particulars?

West Jersey Sand and Supply Corp.

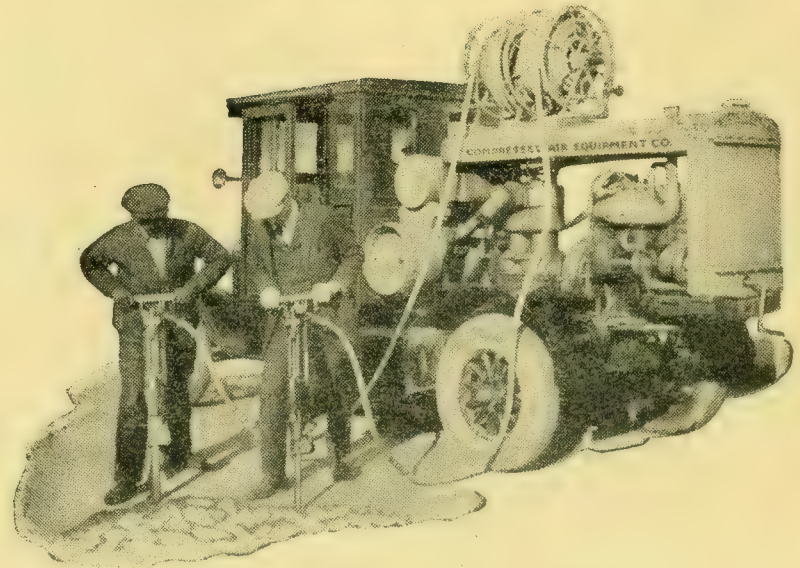
Sixth Floor, Mutual Trust Building
Sydenham and Walnut Streets
Philadelphia

Piers 54 and 55, North Delaware Wharves, Phila.
Foot of 49th Street, Schuylkill River Wharves
Bainbridge Street Wharf, Schuylkill River
Foot of Disston Street, Tacony

Bell-Pennypacker 9540

Keystone-Race 3379

AIR COMPRESSORS FOR RENT



"We Cut Through Anything"

BankVaults, Foundations, Rock or Reinforced Con-
crete Demolished by Compressed Air or Dynamite

—DAY AND NIGHT SERVICE—

COMPRESSED AIR SERVICE CORP.

1015 CHESTNUT STREET, PHILA.

DAY
WALnut 6488
RACE 3401

NIGHT
ALLegheny 8448



LOW PRESSURE Electric Refrigeration by

Welsbach

offers direct factory-to-user service, giving
decided advantages in prices, deliveries,
installation and maintenance. A range of
sizes for every need in home refrigeration.
Special size for operative builders. Finest
quality cabinet work, finish and operating
efficiency assures ready acceptance by most
discriminating buyer. Exclusive Welsbach
features bring a new degree of quietness.
An ideal set-up for the builder and seller
of modern homes. Telephone Gloucester
166, or write.

WELSBACH COMPANY
Gloucester City, New Jersey

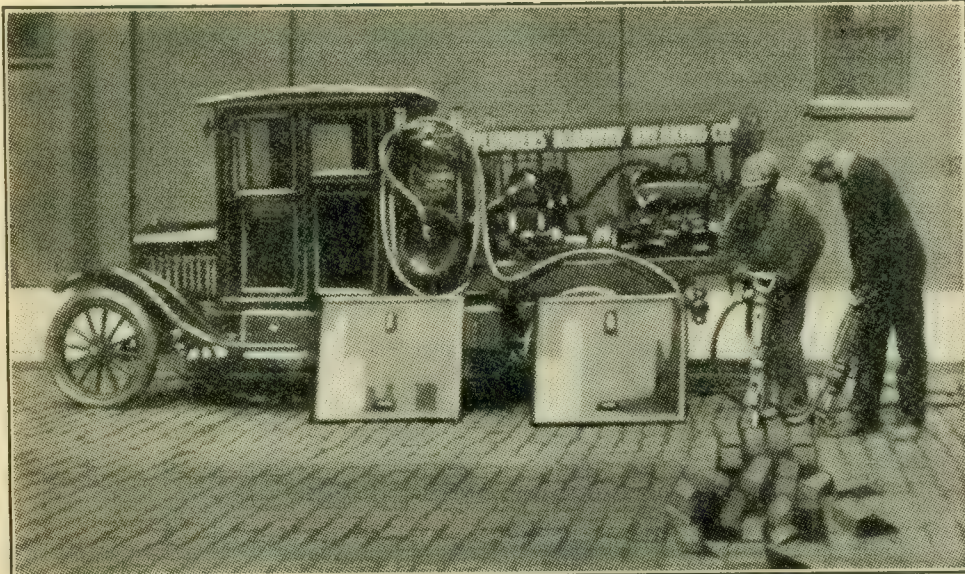
—adjacent to Philadelphia



Manufactured by

**CALIFORNIA
STUCCO
PRODUCTS
COMPANY**
of
PHILADELPHIA
1316 Olive St.

Poplar 3523 - Phones - Park 3006

Air Compressors to HIRE
**Street Openings
By Newest and Easiest Method**

Also VAULTS, FOUNDATIONS, COLUMNS, DOORWAYS,
ABUTMENTS, WALLS, ETC., OF ANY DESCRIPTION,
BROKEN OR DRILLED. ROCK DRILLING AND
SCIENTIFIC BLASTING. BOILER TUBES CLEANED

Anything Where Air Compressors Can Be Used

Plumber's Roadway Breaking Co.

S. E. COR. DOVER AND SOMERSET STS.

Keystone, Park 1914

Bell, Columbia 7654

**MILLWORK
AND
LUMBER**

**SHEETROCK—BEAVER BOARD
GARAGE DOORS**

**CONTRACT and JOBBING TRADE
SUPPLIED**

Our Large Stock and Modern Equipment
Insures Prompt and Efficient Deliveries

JAMES SHAW & SON CO.

52nd & Woodland Ave.

BELL
Wood. 9640
9641
9642

BOTH PHONES:

KEYSTONE
West 1177

BRICK

H. M. & C. B. SINER, Inc.

REAL BRICK

Since 1807

Church and Tacony Streets

"K" Street and Nicetown Lane

Oxford Pike and Devereaux Street

PHILADELPHIA

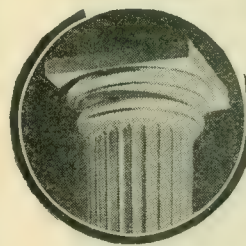
Jefferson 6800

East 7785

EXPANDED METAL LATH


KNO-BURN MESH
DIAMOND MESH
RIB LATHS

**CORNER BEADS, IRON and STEEL
CONCRETE REINFORCING MESH**



UNION METAL COLUMNS

TEN STYLES, ALL SIZES

DISTRIBUTORS

**ROCKLATH
FIRESAFE PLASTER LATH
SHEETROCK
WALL BOARD**

TEXTONE WALL FINISH

WODACK ELECTRIC HAND SAW

PEARCE FIREPROOF CO.

1911-13 North 2nd Street, Phila.

BELL, REGENT 9840-9841

KEYSTONE, PARK 1115

First Cost the Last Cost Guaranteed by the Manufacturer

THE OVERHEAD DOOR

WILL MAKE A MORE SATISFACTORY JOB



78 Garages, Owned by Victor Levand
Catrokee and Pomona Streets, Germantown
Equipped with Overhead Doors, 26 of which Are of
the Latest Type

DISTRIBUTED IN EASTERN PENNSYLVANIA BY
**OVERHEAD DOOR SALES
OF PHILADELPHIA**

NEW ADDRESS

1526 VINE STREET, PHILADELPHIA, PA.

ILLUSTRATED CATALOGUE SENT ON REQUEST

Phone: Rit. 2295 Demonstrating Door in Our Show Room

Everything for the Drawing Room

Drawing Instruments, Boards and Tables,
Pantographs, Planimeters, Slide Rules,
Scales, Surveying Instruments, Tapes, Drawing
and Tracing Papers, Tracing Cloth, Blue Print
Paper and Printing, Waterproof Draw-
ing Ink, Filing Cabinets.

Catalogue Cheerfully Sent on Request
125 S. 12th St., Philadelphia, Pa.

WEBER'S

STRUCTURAL SHAPES

"Deadlock" Concrete Bars
"Page" Wire-Link Fence
"Page" Panel Partitions

—PROMPT DELIVERIES—

HORACE T. POTTS & CO.

East Erie Avenue and D Street

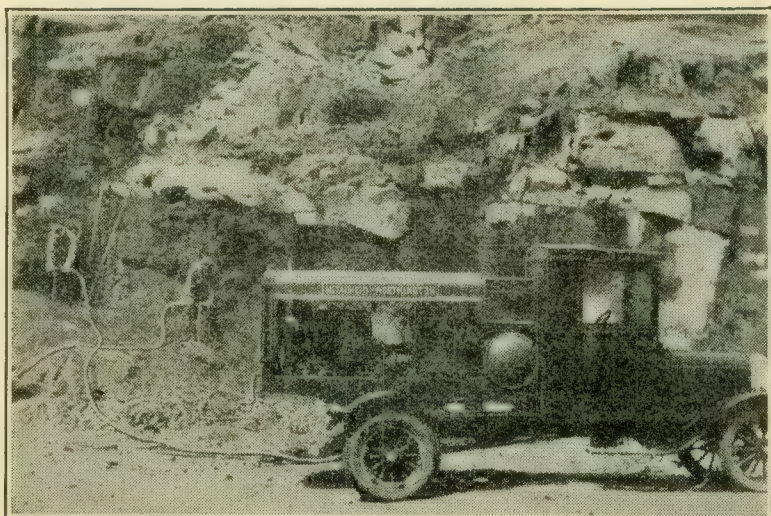
Regent 7450

Philadelphia, Pa.

Park 5351

AIR COMPRESSORS FOR RENT

110 and 210 Cub. Ft. Sizes



TRUCK—TRACTOR—PORTABLE TYPES
[WITH OR WITHOUT AIR TOOLS]

USE **AIR** FOR

ROCK DRILLING PAVING BREAKING
DEMOLISHING RIVETING

—PROMPT SERVICE—

METALWELD, INC.

26th & Hunting Park Ave., Phila.

TIOGA 8440-8441

PARK 5395

INSURANCE IS AN ECONOMY

only when it is rightly applied.

You may be paying more than you
should for insurance protection—and still
running unsuspected risks.

It will cost you nothing to have your
agent go over your property risks and your
present protection. Perhaps he can reduce
your insurance costs.

Your agent can give you dependable
property protection.

**PHILADELPHIA
FIRE AND MARINE
INSURANCE COMPANY**

N. E. Cor. 15th & Locust Sts.

PHILADELPHIA, PA.

BUILDERS' GUIDE

Devoted to the Advancement of American Architecture, Structural

VOLUME XLII

Number 52

Engineering and the Building Trades

PHILADELPHIA

December 28, 1927

BUILDERS' GUIDE

PUBLISHED WEEKLY

BY

Building News Publishing Company, Inc.

1530 CHESTNUT ST., PHILADELPHIA

Louis S. DeLone.....President

H. A. Lang.....Vice-President

Joseph M. DeLone.....Secretary and Treasurer

H. L. Sharpe.....Editor

Advertising Manager, L. A. DeLone

SUBSCRIPTION RATES

To all points in United States.....\$10.00 a year

To all points in Canada..... 10.50 a year

To all points in Europe..... 10.50 a year

All Subscriptions Payable in Advance

Entered as Second Class Matter at the Post Office
at Philadelphia, Pa.

Advance Construction News

CONTEMPLATED CONSTRUCTION; ARCHITECTS AND OWNERS; LAST DAYS FOR FILING BIDS; CHARACTER OF MATERIAL AND EQUIPMENT REQUIRED; ADVANCE INFORMATION IN EVERY PHASE OF NEW CONSTRUCTION

Engineering Building (donor, C. H. K. Curtis), Thirty-second and Chestnut streets. Owners, Drexel Institute, Dr. K. G. Matheson, on premises. Stone, brick, 4 stories. Work contemplated.

Apartment House, Forty-eighth, near Locust street, Philadelphia. Architect, S. Kaplan, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, 4 stories. Plans in progress.

Abattoirs, Fifty-eighth and Lindenbergh avenue, Fortieth Ward, Philadelphia. Owners, Department of Public Works, Philadelphia. Work contemplated.

College Buildings (4), Broad and Berks streets, Philadelphia, \$5,000,000. Architect, William H. Lee, 1505 Race street, Philadelphia. Owners, Temple University, Dr. C. E. Beury, president, on premises. Steel, architectural terra cotta, 12 stories. Plans in progress. Details undecided.

Whitehall Commons, Jackson and Filmore streets, Philadelphia. Owners, Department of Public Works, Bureau of Property, 216 City Hall. Owners taking bids due December 29th at noon.

Store Building, Frankford avenue above Overington street, Philadelphia. Architects, Silverman & Levy, 313 South Smedley street, Philadelphia. Owner, name withheld. Brick, limestone, 1 story. Plans in progress.

Maternity Building, Corinthian and Girard avenues, Philadelphia. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Lankenau Hos-

pital, on premises. Revised plans in progress.

Miscellaneous Work, Philadelphia. Owners, Board of Education, Nineteenth above Chestnut street, Philadelphia. Owners taking bids due January 3rd, 1928, at noon. Gymnasium equipment, Eighteenth and Chelton streets, Cottman and Lorretto Schools. Covering heat ducts in boiler rooms, Fourth and George. Warehouse stock, pipes, fittings, valves, Eleventh and York. Eight-inch water main, Shallcross School.

Supplies, Philadelphia. Purchasing agent, E. J. Lafferty, 312 City Hall, Philadelphia. Owners taking bids due January 3rd at noon for crane chains, sewer bricks, asphaltic cement, asphalt filler, sand and bar sand, stone and crushed pebbles. Certified check, 5 per cent.

Pennsylvania Railroad, C. E. Walsh, Purchasing Agent, 15 North Thirty-second street, Philadelphia. Owners taking bids due January 6th. No. 1, steel wheels. No. 2, piston heads. No. 3, steel sheets. No. 4, bridge superstructure.

Manufacturing Building, Southeast Corner Venango and Amber streets, Philadelphia, \$9,000. Architect, private plans. Owners, Gill Virden Glass Co., on premises. Brick, 1 story, 102x48 feet. Permit issued.

Garage (add.), 4544-46-48 Richmond street, Philadelphia, \$3,500. Architect, private plans. Owner, John Bravin, 4544 Richmond street, Philadelphia. Brick, 1 story add., 60x80 feet, slag roof, cement floors. Permit issued.

Residences (10), North side Lycoming avenue, East of L street, Philadelphia, \$29,000. Architect, private plans. Owners, Kaplan & Levicott, 4231 Viola street, Philadelphia. Brick, 2 stories, 16x29 feet 6 inches, 12 feet 6 inches x 15 feet 6 inches, slag roof, pine floors, hot water heat, electric light. Permit issued.

Residences (11), East side Keystone street, South of Benner street, \$33,000. Architect, private plans. Owner, J. Edmund Enich, 1205 Liberty Building, Philadelphia. Brick, 2 stories, 15x42 feet, slag roof, pine floors, hot water heat, electric light. Permit issued.

Apartment House, Wayne avenue, South of Penn street, Philadelphia, \$110,000. Architect, private plans. Owner, Irving G. Schorsch, Southeast Corner Seventeenth and Allegheny avenue. Brick, 4 stories, 60x25 feet, 43x119 feet, slag roof, hardwood and pine floors, vapor heat, electric light. Permit issued.

Contract No. 180, Broad Street Subway, Philadelphia. Owners, Department of City Transit, 1211 Chestnut street, Philadelphia. Low bidders: Curtis Co., 19 South Eighteenth street, \$252,546.30; Collier Const. Co., 1600 Arch street, Philadelphia, \$253,033.

Storage Building, 1016-18 Moyamensing street, Phila., \$2,000. Owner, Max Young, 825 S. 22nd street, Phila. Brick, 1 story, 29x46 feet, 3 inches, general alterations. Owner will build. Permit issued.

Supplies, Phila. Owners, Commissioners of Fairmount Park, 127 City Hall. Engineer, Allen Corson, 127 City Hall, Phila. Owners

**DRAWING
MATERIALS**

CHARLES H. ROBBINS CO.

1729-31 Sansom Street, Philadelphia

BELL PHONE, RITTENHOUSE 7630

KEYSTONE PHONE, RACE 3519

**BLUE
PRINTS**

**Structural
Steel**

ROBT. B. LEDERLE & CO.

ENGINEERS AND CONTRACTORS

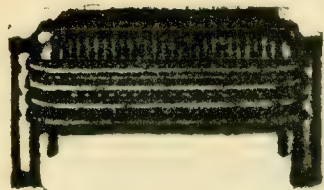
WITHERSPOON BUILDING

PHILADELPHIA

**Ornamental
Iron**

Go to **HENRY M. MILLER**

50 North 2nd Street



FOR
**FIRE PLACE
FIXTURES**



PLUMBING AND HEATING SUPPLIES

that are guaranteed to give perfect satisfaction. Supplies that have not only our personal guarantee but the assurance of satisfaction by well-known manufacturers.

DISTRIBUTORS OF

Weil-McLain
BOILERS

"Standard"
Enamelware

REPUBLIC BRASS

**PAVNE PIPELESS
FURNACES**

FLECK BROS. Co.

STORE AND SHOW ROOM: 50 N. 5TH ST., PHILA., PA.

Pipe, Valves, Fittings of Every Description

CONCRETE REINFORCING BARS

PHILADELPHIA WAREHOUSE OR
MILL DELIVERIES

ENGINEERING SERVICE

PENN STEEL SERVICE CO.

FULLER BUILDING

Rittenhouse 4955

PHILADELPHIA, PA.

We Manufacture and Set
All Kinds and All Colors of

Architectural Cut Cast Stone

Penn-Jersey Cut Cast Stone Co.

Main Office
612 N. Broad Street
Woodbury, N. J.

Branch Office
344 Haddon Avenue
Westmont, N. J.

STRUCTURAL STEEL ORNAMENTAL IRON FIRE ESCAPES VAULT LIGHTS

**MONTGOMERY
IRON & STEEL COMPANY**

W. NELSON MAYHEW

SAMUEL FRANK

Formerly STEWARD & STEVENS IRON WORKS

Established 1812

2500 Duncan Street
Philadelphia

Poplar 8660

Race 9886

HARRY A. WHARTENBY IRON, STEEL, BRONZE

Shop, Warehouse and Offices
1823 BRANDYWINE STREET
PHILADELPHIA, PA.

HIGH GRADE ORNAMENTAL IRON WORK KERLOW STEEL GRATINGS

KERLOW STEEL FLOORING COMPANY
JERSEY CITY, N. J.

NEWMAN BRASS AND BRONZE
NEWMAN MANUFACTURING COMPANY
CINCINNATI, OHIO

**"EBCO" SANITARY STEEL TOILET
PARTITIONS**

The D. A. EBINGER SANITARY MFG. CO.
COLUMBUS, OHIO

LIC-WID-LESS DOOR CHECKS
NO LIQUID DOOR CHECK CO.
COLUMBUS, OHIO

PRESSED STEEL STAIRS

HEATING

BOWERS BROS. & CO.

2015 Sansom Street
Philadelphia, Pa.

taking bids due Jan. 5th, 2.30 P. M. Lumber, brick, cement, gravel, hardware, vehicles, machinery, paints, glass, iron, steel, castings, plumbers' supplies, stoves, tin, settees, etc., tables, border iron, flowers pots, seeds, etc.,

rubber goods, road oil, lubricating oils, greases, fertilizers, sundries, broken trap rock, screening, tree guards, top soil, etc. Also paving, curbing, cut granite, vitrified brick, concrete sidewalks, curbs, cleaning wells.

Contracts Awarded

Scope of Contract and Successful Bidders; "Inside" Information for the Material Man and Interior and Exterior Fitter.

New Building, Maternity Wing, Power House (alts.), Fifth and Reed streets, Philadelphia. Architects, Magaziner, Eberhard & Harris, 603 Chestnut street, Philadelphia. Owners, Mt. Sinai Hospital, on premises. Reinforced concrete, brick, steel, granite, limestone, 10 stories and basement, 5 stories and basement, 72x66 feet, 40x70 feet, 2 stories, 40x30 feet, 15x40 feet, slag, promenade tile roof, cement floors, hollow tile, roof ventilators, membrane waterproofing, architectural terra cotta, linoleum floors, sound proofing, mail chute, ornamental iron work, casement windows, iron stairs, bond, kalamein and hollow metal doors, copper skylights, rolled steel sash, tile, marble and terrazzo work, metal lath, steel furniture, metal lockers, medicine cabinets, metal instrument cabinets, lead lining, clothes chutes, gypsum roof (sterilizers, refrigerators, elevators, kitchen equipment, screens, electric, plumbing, heating, ventilating separate). Contract awarded Wark & Co., 1600 Walnut street, Philadelphia.

Bank Building, Northeast Corner Broad and Stiles streets, Philadelphia. Architects, Ritter & Shay, Packard Building, Philadelphia. Owners, Broad Street Trust Co., Twelfth and Arch streets, Philadelphia. Brick, cut stone, granite, steel, 4 stories and basement, 160x77 feet, composition roof, cement floors, hollow tile, elevators, plumbing, waterproofing and damp-proofing, steam heat, electric light, metal lath, tile, marble and terrazzo work, hollow metal sash and doors, bond, iron work, casement windows, iron pipe, pneumatic tube system, Alberne stone. Contract awarded to Murphy-Quigley Co., 1518 Sansom street, Philadelphia.

Residence and Garage, West Lincoln Drive, South of Hartwell avenue, Philadelphia, \$33,000. Architect, H. L. Duhring, 1309 Locust street, Philadelphia. Owner, Dr. George Woodward, North American Building, Philadelphia. Stone, 2½ stories and basement, 34x98 feet, garage, 1 story, 21x20 feet, slate roof, oak, pine and cement floors (plumbing, heating and electric reserved), metal lath, tile work, bond, ornamental iron. Contract awarded J. Riley & Son, Forrest avenue, Mt. Airy, Philadelphia.

Lubricating Station, Northeast Corner Twenty-first and Appletree streets, Philadelphia. Architect, E. A. Stopper, 10 South Eighteenth street, Philadelphia. Owner, Charles Kahn, Morris Building, Philadelphia. Reinforced concrete, brick, 1 story, 83x18 feet, slag roof, cement floors, hot water heat, electric light, metal lath, plumbing, iron work. Contract awarded Fred A. Havens Co., 845 North Nineteenth street, Philadelphia.

Hospital, Northwest Corner Conshohocken and Windemere avenues, Philadelphia. Architect, R. Bencker, Thirteenth and Chestnut streets, Philadelphia. Owners, Philadelphia Health Association, 311 South Juniper street, Philadelphia. Stone, brick, cut stone, steel, 2 stories and basement, 45x48 feet, wing 36x77 feet, asphalt roof, cement floors, hollow tile, elevators, flagstone, area gratings, ornamental iron work, bond, hollow metal doors, tile and marble work, metal lath, dumb waiter. Contract awarded E. H. Keefer & Son, 1921 Rodman street, Philadelphia.

Hosiery Mill, 335 East Price street, Philadelphia, \$60,000. Architect, private plans. Owners, Rodgers Hosiery Mill, Stenton and Wyoming streets, Philadelphia. Brick, 1 story, 62 feet 4 inches x 173 feet. Contract awarded Wark Co., 1600 Walnut street, Philadelphia.

Stores (4) and Apartments (alts.), Southeast Corner Sixty-third and Woodland avenue, Philadelphia, \$5,000. Architect, J. Ethan Fieldstein, Otis Building, Philadelphia. Owner, Morris Shore, 6339 Woodland avenue, Philadelphia. General interior alterations. Contract awarded Ramos & Wiggins, 732 South Fifty-first street, Philadelphia.

Garage, East side Sixty-seventh street, North of Elmwood avenue, Philadelphia, \$40,000. Architect, private plans. Owner, Louis Hoser, Northeast Corner Front and Allegheny avenue, Philadelphia. Brick, 1 story, 156x100 feet, slag roof, cement floors. Contract awarded Northern Const. Co., 5302 North Fifth street, Philadelphia.

Residences (3), 5311-15 Oxford pike, Philadelphia.

MARBLE, MOSAICS, TERRAZZO TILE and CERAMICS

QUALITY MATERIALS
EXPERT MECHANICS

at lower cost due to our light
overhead expenses

**PENNSYLVANIA
TILE AND MOSAIC CO.**

Warehouse and Offices: 1637 Wood Street
PHILADELPHIA

KETCHAM CLAY PRODUCTS

Are Nationally Known
For Superior Quality

Ornamental Terra Cotta

Face Brick
Hollow Tile
Paving Brick
Roofing Tile

O. W. KETCHAM

Philadelphia, 121-125 N. 18th St.
New York, 1170 Broadway
Washington, Home Life Building
Baltimore, Baltimore-American Bldg.

Terra Cotta Works, Crum Lynne, Pa.

MITCHELL BROS.

Carpenters, Builders and Contractors
2125 Race St., Phila.

Bell, Rittenhouse 4603 Keystone, Race 6062

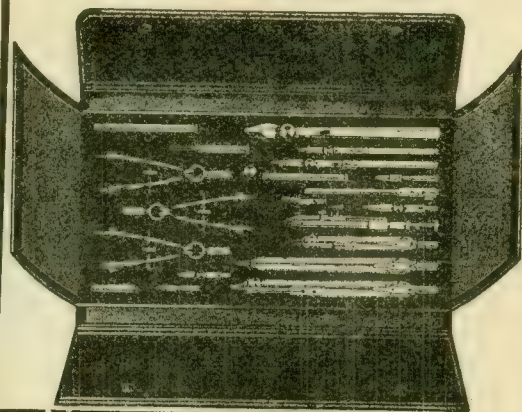
BRICK ECONOMY CAST STONE HOLLOW TILE

COX - JANEWAY CO.

Real Estate Trust Building
PHILADELPHIA

C. H. Cox A. S. Janeway Wm. Barnes

WEILCO SPECIAL SET



Special, Only \$15.00

WEILCO Imported Precision Drawing
Instruments, Highest Quality of
Materials and Workmanship

REGULAR VALUE \$25.00

Transits and Levels Rented, Bought, Sold and Exchanged
ALL MAKES REPAIRED - Satisfaction Guaranteed

J. H. WEIL & COMPANY

Established 30 years 1317 Cherry St., Philadelphia

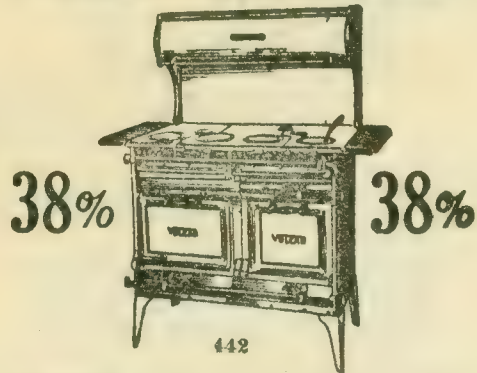
SIMPSON-ANDERSON COMPANY SURETY BONDS—GENERAL INSURANCE

BELL TELEPHONE—RITTENHOUSE 2823

532 WIDENER BUILDING

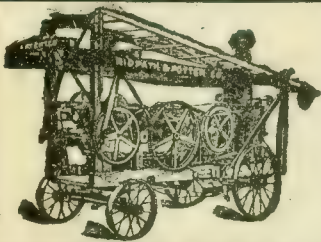
KEYSTONE TELEPHONE—RACE 7534

VULCAN SMOOTHTOP (COMPACT CABINET) GAS RANGES



WITH our new quick service burner, we can show a gas saving of 38%. Demonstration in our showroom. Greatest improvement in gas range construction in twenty years. A broad statement. Make us prove it.

WM. THOMSON, Inc.
64 & 66 N. SECOND STREET
Phone, Bell, Market 1414

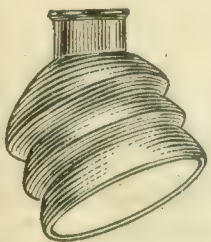


We Drill Wells and Get Water
Test Borings and Soundings
Let Us Submit Prices
Ridpath & Potter Co.
22nd & Cambria Sts.
Phila. Pa.



You Can't Buy Better—Let Us Prove It
Hamiltile

RUBBER FLOORS
THE HAMILTON RUBBER MFG. CO.
2317 Walnut Street, Philadelphia



**LANG'S
DAYLIGHT**
Show-Window
REFLECTORS
Phila. Daylight Co.
BOURSE BLDG.
LOM brd 9300

delphia, \$15,000. Architect, private plans. Owners, Lapowitz Brothers, 310 Real Estate Trust Building, Philadelphia. Brick, 2 stories, 16x60 feet, slag roof, hardwood and pine floors, electric lighting. Contract awarded Weiss Const. Co., 901 Walnut street, Philadelphia.

Tank Tower, East side Swanson street, South of Bainbridge street, \$2,500. Architect, private plans. Owners, Merchants' Warehouse Co., 10 Chestnut street, Philadelphia. Contract awarded George Kessler Cont. Co., 1733 North Marvine street.

Bungalows (2), South side Tinicum avenue, West of Eighty-eighth street, \$1,600 each. Architect, private plans. Owner, Bessie Yaskin, Southwest Corner Eighty-sixth and Tinicum avenue, Philadelphia. Brick, 1 story, 15x63 feet. Contract awarded Frank Yaskin, Southwest Corner Eighty-sixth and Tinicum avenue.

Residence and Store (alts.), 1633 Germantown avenue, \$1,500. Architect, private plans. Owner, William Graf, 1631 Germantown avenue, Philadelphia. General alterations. Contract awarded Arthur Matz, 739 East Tioga street, Philadelphia.

Boiler House (add.), East side Fifteenth street, North of Race, Philadelphia, \$6,400. Owners, Hahnemann Hospital, on premises. Brick, 1 story add., 20x83 feet. Contract awarded M. W. Kellogg Co., 7 Dey street, New York.

Residence and Store (add. and alts.), Southeast Corner Thirteenth and Dauphin streets, \$6,000. Architect, private plans. Owner, R. Lane, on premises. Brick, 1 story add., 17x14 feet, general alterations. Contract awarded Anthony Brunnelli, 1431 South Juniper street.

Residence and Store (add.), Northeast Corner Crittenden and Price streets, Philadelphia, \$3,200. Owner, Christian Rein, on premises. Brick, 1 story add., 25x25 feet. Contract awarded R. M. Peterson, 16 Queen lane, Philadelphia.

Residence and Store (alts.), 808 North Fourth street, Philadelphia, \$2,000. Architect, private plans. Owner, M. Weinberg, Finance Building, Philadelphia. General alterations. Contract awarded K. Jaffee, 547 North Seventh street, Philadelphia.

Miscellaneous Work, Philadelphia. Contracts awarded. Owners, Department of Public Works, Bureau of Highways.

Erdwick street, Princeton and Tyson streets. Barber Asphalt Co., 1600 Arch street, Philadelphia, \$7,156.12.

Eighteenth street, etc. Union Paving Co., Thirtieth and Locust streets, Philadelphia, \$8,797.10.

Erdrick, Vankirk, Bennet streets, etc. Un-

ion Paving Co., Thirtieth and Locust streets, \$15,994.40.

Fifty-eighth street, Woodbine avenue, etc. Eastern Asphalt Co., Pennsylvania Building, Philadelphia, \$10,979.90.

H street, Lycoming, Cayuga, G streets, etc. H. C. Ambler, 3717 York road, Philadelphia, \$10,689.60.

Cedarbrook, Fayette street, Vernon road, Upsal street, etc. Joseph Herzog, 4314 York road, Philadelphia, \$15,094.

Bradford, Hofnagle, Eastwood, Laney streets, etc. T. L. Flanagan, 531 East Girard avenue, Philadelphia, \$16,841.93.

Lexington, Brosz, Boulevard, Rhawn, Ryan streets, etc. R. B. Wenner, 2819 West Gordon street, Philadelphia, \$25,807.

Mansfield, Rodney, Gorgas, Baldwin, Woolstone, Forrest, Cornelius, Mt. Pleasant avenues, etc. Joseph Herzog, 4314 York road, Philadelphia, \$7,949.

Burton, Aramingo, Ditman, Glenlock, La Rue, Torresdale, Marsden, Sanger streets, etc. Duffin Brothers, Penn and Womrath streets, \$7,446.56.

Pennsylvania Construction News

Bank, Abington, Pa. Architect, J. T. Brugger, Public Ledger Building, Philadelphia. Owners, Abington Bank & Trust Co., Abington, Pa. Brick, limestone, 1 story. Working plans in progress.

Telephone Exchange, Wilkes-Barre, Pa. Architect, John T. Windrim, Commonwealth Building, Philadelphia. Owners, Bell Telephone Co., Harrisburg, Pa. Brick, 3 stories. Plans in progress.

Hospital (alts. and add.), Sellersville, Pa. Architects, Ritcher & Eiler, 147 North Fifth street, Reading, Pa. Owners, Grand View Hospital, W. A. Derstein, Quakertown, Pa. All bids rejected. Revised plans in progress.

Theatre, Allentown, Pa. Architects, Thalheimer & Weitz, 10 South Eighteenth street, Philadelphia. Owner, name withheld. Brick, 1 story. Plans in progress.

Church, Hazleton, Pa. Architects, Thomas, Martin & Kirkpatrick, 220 South Sixteenth street, Philadelphia. Owners, Christ Evangelical Lutheran Church, Rev. F. T. Esterly, Hazleton, Pa. Stone, 1 story, slate roof. Plans about completed.

High School (add.), Mt. Penn, Pa. Architect, M. B. Dechant, 632 Washington street, Reading, Pa. Owners, Mt. Penn Borough School Board, Dr. G. F. DeLong, president, Friedensburg road, Mt. Penn, Pa. Brick, 2 and 3 stories. Plans in progress.

Belfi Bros. & Co

MANUFACTURERS OF
ART MARBLE MOSAICS
TERRAZZO, CERAMICS, & C.
INTERIOR MARBLE WORK
TILES MANTLES
FIRE PLACE FURNISHINGS



OFFICE AND SHOW ROOM
1923-1925 MARKET ST.
WAREHOUSE
1924 COMMERCE STREET
PHILADELPHIA, PA.

DESIGNS FURNISHED

BELL, RITTENHOUSE 4559 KEYSTONE, RACE 1114

Good Work

Quick Service

BLUE PRINT SHOP

Bell Phone
Rittenhouse 5893

1520 Sansom Street, Philadelphia

Keystone Phone
Race 5555

Bank, West Hazleton, Pa. Architect, D. H. Morgan, Connell Building, Scranton, Pa. Owners, Miners' Bank, J. Jones, president, West Broad street, West Hazleton, Pa. Brick, 1 story. Architect will be ready for bids January 15th.

Store and Apartment, Allentown, Pa. Engineer, A. J. Bibighaus, 530 Hamilton street, Allentown, Pa. Owner, care of engineer. Brick, steel, 1 and 2 stories, 20x120 feet, Barrett roof, pine floors, steam heat, electric light. Engineer will take bids.

Apartments (24), Allentown, Pa. Architect, E. R. Bitting, 1104 Hamilton street, Allentown, Pa. Owner, Jacob Smitzer, care of architect. Brick, steel, 4 stories, 50x176 feet, slag roof, hardwood floors, elevators, safety treads, tile, marble, steel sash, fire doors, ornamental iron, iron stairs. Owner will take bids February 1st.

City Garage (alts. and add.), Mahoney City, Pa. Architect, John B. Thomson, 34 South Seventeenth street, Philadelphia. Owner, John Smith, Mahoney City, Pa. Brick, cast stone, steel, reinforced concrete, 2 stories and basement, 110x125 feet, built-up roof, cement and maple floors, hollow tile, plumbing, metal ceilings, electric light (heating reserved), bond, ornamental iron work, casement sash, demolition. Architect taking bids due January 4th, 1928.

Building (repairs), Second and Market street, Chester, Pa. Owners, Reading Railroad, Twelfth and Market streets, Philadelphia. Concrete floors, brick work, fire doors, carpentry and mill work, gypsum roof, corrugated asbestos protected metal, Barrett specification oof, steel sash, metal window guards, painting and glazing. Owners taking bids due December 29th.

Church and Sunday School, Athens and Lynwood avenue, Ardmore, Pa., \$85,000. Architects, Davis, Dunlap & Barney, 1805 Walnut street, Philadelphia. Owners, First Church of Christ Scientist, Ardmore, Pa. Brick, stone. Sketches drawn. Preliminary plans in progress. Will be ready for bids March, 1928.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Lowest bidders:

Westmoreland County, R-302, A-4011, Cook Township, 6,200 feet. One course reinforced concrete. J. Lee Campbell, Latrobe, Pa., \$48,627.75.

Lebanon County, A-4668, Heidelberg and South Lebanon Townships, 23,000 feet. Bituminous surface treated macadam surface course. J. C. Showalter, Lancaster, Pa., \$78,675.15.

Berks County, R-381, S-2, Birdsboro Borough, 505 feet. Grading and drainage. Dunleavy Brothers, Coatesville, Pa., \$7,810.71.

Crawford County, R-295, S-1, Summerhill Township, 15,192 feet. One course reinforced concrete. J. C. Devine Co., Alliance, O., \$160,759.38.

Monroe County, R-169, A-4156, Paradise Township, 4,940 feet. One course reinforced concrete. Rudolph & Delano, Tamaqua, Pa., \$53,330.85.

Crawford County, R-204, S-1, Fairfield Township, 12,209 feet. One course reinforced concrete. Fort Pitt Const. Co., Pittsburgh, Pa., \$125,409.20.

Westmoreland County, R-348, A-4908, Washington Township, 27,046 feet. One

course reinforced concrete. Cooper Const. Co., Clymer, Pa., \$265,166.59.

Mercer County, R-238, Spur A. Hickory Township, Farrell Borough, 7,756 feet. One course reinforced concrete. Lewis & Frisinger Co., Sharon, Pa., \$59,954.22.

Clearfield County, R-234, A-4969, Beccaria Township, 10,705 feet. One course reinforced concrete. Rauch & Kessler, Northumberland, Pa., \$93,820.40.

Blair and Huntingdon Counties, R-260, Sec. R-2, Catharine and Morris Townships, 8,691 feet. One course reinforced concrete. The Juniata Co., Empire Building, Philadelphia, \$113,746.52.

Pennsylvania Contracts Awarded

Manufacturing Building, Chester, Pa. Architects, The Ballinger Co., Twelfth and Chestnut streets, Philadelphia. Owner, H. H. Ward, Fourth and Engle streets, Chester, Pa. Reinforced concrete, brick, steel, 3 stories and basement, 140x59 feet, slag roof, cement floors, hollow tile, waterproofing, rolled steel sash, fire and kalamein doors, bond, floor hardener, metal lath. Contract awarded William Provost, Jr., Chester, Pa.

Apartment House, 347 North Lansdowne avenue, Lansdowne, Pa. Architects, Rehffuss & North, 1709 Sansom street, Philadelphia. Owner, E. H. Royer, 345 North Lansdowne avenue, Lansdowne, Pa. Brick, concrete, steel, 3 stories and basement, 40x138 feet, slag roof, oak and cement floors, plumbing, hot water heat, oil burners, electric light, metal lath, tile and marble work, hollow metal doors, casement windows, iron work, incinerators, laundry equipment, medicine cabinets, rubber floors, sprinklers. Contract awarded N. W. Bryan, 10 South Eighteenth street, Philadelphia.

Residence (alts.), Jenkintown, Pa. Architect, J. W. Thompson, 703 South Sixtieth street, Philadelphia. Owner, Barclay Warburton, Sr., on premises. Electric light, tile roof, oak and pine floors, painting, glazing, plastering. Contract awarded J. S. Cornell & Son, 1528 Cherry street, Philadelphia.

Residence (alts.), 246 Bowman avenue, Merion, Pa. Architects, Hahn & Baylinson, 729 Chestnut street, Philadelphia. Owner, Josef Hoffman, Merion, Pa. Carpentry and mill work, plastering, painting, glazing, cement and concrete work, hardware, general interior alterations. Contract awarded F. G. Eng-

FLOORING

Selbalith Composition
Selbatex Mastic
Tile-Tex Mastic Tile
Lether Tyle
Cork Tile

Distributors of
GOODYEAR RUBBER TILE

All high grade products,—
laid to *last* by experienced craftsmen

SELBY, BATTERSBY & CO.

Specialists in Modern Floorings
810-12 Noble Street Philadelphia
Main 3446 : Market 1815

JENNINGS HOOD W. DOUGLAS HOOD C. M. HEATON

HOOD TILE CO.
S. E. COR. CHESTNUT AND 13TH STS.
PHILADELPHIA, PA.

PENNYPACKER 7620 RACE 0018

REPRESENTING:
OLEAN TILE CO.
CERAMICS
PADUCAH TILE AND POTTERY CO.
FAIENCE

B. MIFFLIN HOOD BRICK CO.
QUARRIE AND ROOFING TILE

**WAREHOUSE
DELIVERY
ON
QUARRIES**

SAMPLES SUBMITTED
UPON REQUEST

Par-Lock

Par-Lock for Perfect Plastering

Waterproofing, Damp-proofing & Plaster Key Mechanically Applied Under Air Pressure
TO MAKE A GOOD JOB BETTER USE *Par-Lock*

**PAR-LOCK APPLIERS OF EASTERN PENNSYLVANIA
INCORPORATED**

1700 WALNUT STREET, PHILADELPHIA, PA.

MAJOR M. B. CARSON
MANAGER AND SALES ENGINEER

TELEPHONES: { BELL, PEN. 4897
KEYSTONE, RACE 5101

**CASUALTY
FIRE
INSURANCE**

LEON MERZ CO.
220 South 16th Street, Philadelphia
Bell Phones—Pennypacker 4161, 4162, 4163
Keystone—Race 7593

**SURETY
BONDS**

PHILADELPHIA GAS RANGE CO.

Come To Headquarters

for your

GAS RANGE

All the newest models
in the best grades.

QUALITY
TRIANGLE
RELIABLE



Also KITCHEN CABINETS,
Water Heaters & Refrigerators



1026 Arch St.
263 So. 52nd St.
York Rd. & Rockland St.
Also Newark & Atlantic City, N. J.

ROOFING AND SHEET METAL WORK

JAMES B. MacGARVIE

MAGNOLIA, N. J.

Approved Roofer for
Barrett Specification Roofs

Bell Phone—Laurel Springs 21 R4

MURPHY IN-A-DOR

ARE STANDARD EQUIPMENT IN

Apartments, hotels, dormitories and private
and are equipped with coil, box or fabric s



Write for our descriptive literature
display rooms. See our all porce
equipment and Murphy cabinet iron
well as samples of the Murph

THE MURPHY DOOR B

512 Bulletin Building
Philadelphia
Penna.

Berk
19 We

THERE IS ONLY ONE IN-A-DOR
"THE MURPHY"

BLACKBURN FLUE THROAT AND DAMPER



Assures absolutely Fireproof, Smokeless
Fireplace.

Blackburn Flue Throat can be used
with any damper.

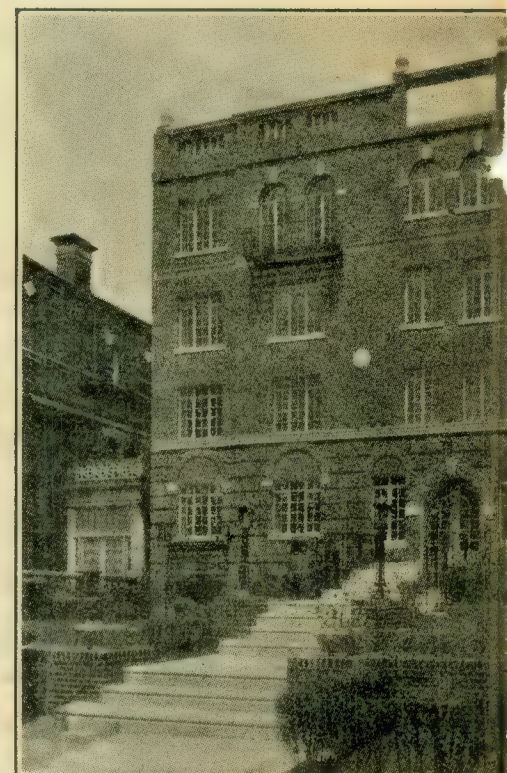
Indorsed, recommended and specified
by architects and builders who
know.

For Demonstration and Proof
Call Lansdowne 3370 W

WM. N. BLACKBURN

334 MARKET ST., DREXEL HILL
DELAWARE CO., PA.

For a Beautiful, Cor
Building. The firms
recognized Standard an
Services. Avail yours
Write for Literature.

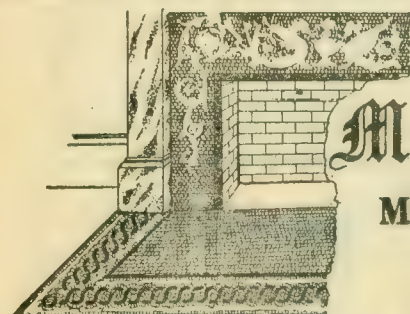


BUILD WITH ST. MARTINS BUILDING STONE

"Rock of Ages"

Works: Germantown Ave. & Rumford Road
Chestnut Hill, Philadelphia

Bell Phone, Chestnut Hill 0227



Italian
Marble Mosaic Co.

Both
Phones

Marble Mosaics, Terrazzo, Tiles and Ceramics

433 SPRUCE STREET

Warehouse, 432 Manning Street, Philadelphia

Our Customers know us for Dependable Service and Merchandises

TRUSCON STONE

Protects Masonry S

Examine your concrete or stucco walls. If hairc
the surfaces should be immediately waterproofed by apply

If the reinforcing in concrete has begun to rust
and cracking, repairs should be made and disintegration
of Truscon STONETEX.

STONETEX is the masonry coating. Not only
from being absorbed into concrete, stucco or brick, but i
with a beautiful finish which lasts for years. Stonetex
produce the "shiny" appearance of paint. Stonetex looks

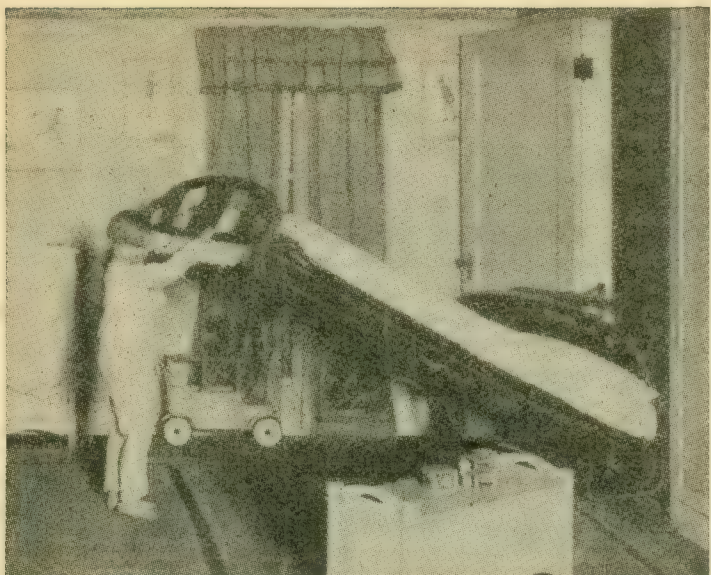
EDS

omes
rings

call at our
lain kitchen
g boards as
Beds

D CO.

ey Building
44th Street
w York
R BED



A child can operate the bed

unfortable, Convenient
here represented sell
d Specified Materials or
elt of their co-operation.



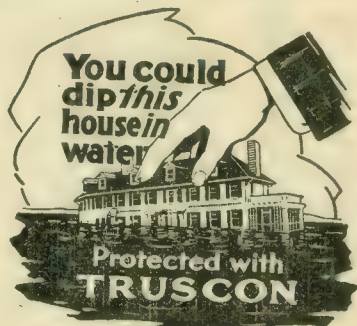
NETEX

urfaces

ecks are beginning to show,
g Truscon STONETEX.

and the concrete is spalling
stopped by the application

es it prevent moisture
also covers the surface
ies flat. It does not
re masonry.



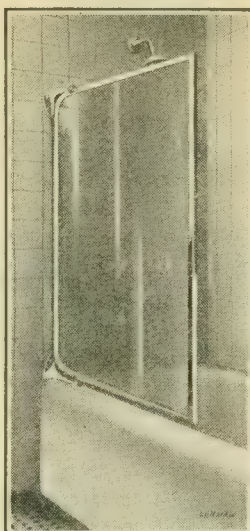
**The Truscon
Laboratories**

1505 Race Street

Phones—Bell, Rittenhouse 7526
Keystone, Race 6510

WAREHOUSE STOCK IN
PHILADELPHIA

FOLD IN AND OUT



FOR BATH TUB SHOWERS

DON'T BATHE IN A TENT

**LEHMAN
SPRAYSHIELDS**
Instead of Shower Curtains

Plate glass and German silver. Swing out of way.
Sanitary, beautiful, watertight, moderate cost.
Require no room. Increase sales and rentals.
Fit new and old bath rooms. Factory installation.
A nationally known Philadelphia patent product.
See your plumber or tile man. Catalog on request.

L. H. LEHMAN

1210 N. 8th St., Philadelphia

ALL SIDES ENCLOSED



FOR STALL SHOWERS

STRUCTURAL STEEL, STEEL STAIRS
ORNAMENTAL and ARCHITECTURAL IRON WORK

Iron Fences, Gates, Fire Escapes, Cellar Doors,
Window Guards, Balcony Rails, Office Railings

W. REISBORD

Bell—Allegheny 5520 138-140 N. 55th St., Philadelphia Keystone—West 1371

**AMERICAN
ALL-METAL WEATHER STRIPS**

of superior quality, will last a life time. The heavy guage metal, the double rib and the
method of application to windows, with rust proof screws, make AMERICAN METAL
WEATHER STRIPS—not only the most durable—everlasting—but dust and wind proof.

If you want the best get American

American Metal Weather Strip Co.

2118 Diamond Street, Philadelphia

COLUMBIA 2300 Baker Custom-made Window and Door Screens R. A. SCHLETT, Manager

**MARBLE MOSAICS
TERRAZZO
CERAMICS
TILES**

that will satisfy the most particular.

ROMAN MOSAIC & TILE CO., INC.

Office, 435 Green St. Factory, 432 Wallace St.

Bell—Market 3158

PHILADELPHIA, PA.

Keystone—Main 5145

**Face Brick
Paving Brick**

Ornamental Terra Cotta

**Hollow Tile
Roofing Tile**

O. W. KETCHAM

Manufacturer

121-125 N. 18th St., Philadelphia, Pa.

**CURTIS
WOODWORK**

AND

LUMBER

The GILLINGHAM CO.

NORRIS and RICHMOND STS.
PHILADELPHIA, PA.

East 7975

Kensington 2343

lish & Son, 1608 North Carlisle street, Philadelphia.

Lindenberg Bridge, No. 72, Darby Creek, Delaware County, Pa. County engineer, Media, Pa. Owners, Commissioners of Delaware County, George T. Wades, Media, Pa. Contract awarded Carl R. Camp, 10 South Eighth street, Philadelphia, \$126,400.

Buttonwood Bridge, No. 146, Chester pike,

TRIDENT
WATER METERS
For New and Old Properties
PHILADELPHIA METER CO.
942 Real Estate Trust Bldg., Philadelphia

Libmastic for Caulking
S. LIBMAN
877 N. 41st Street, Philadelphia
Phone, Evergreen 2473

**Tabular and Continuous Taper
Copper Bearing Steel**
FLAG POLES
JOHN E. LINGO & SON
CAMDEN, N. J.

**PILES, FOUNDATIONS
CAISSONS**
ALL KINDS OF FOUNDATION WORK
FOUNDATION & CONSTRUCTION CO.
1320 Race Street, Philadelphia
N. E. HENDERSON, Jr., Representative

**Reinforced Concrete
and Cement Work**
Get our estimate first on
"THAT CEMENT JOB"
FREDERICK MASSIAH
S. E. Cor. Juniper and Cypress Sts.
Bell Phone—Walnut 4165
Keystone Phone—Race 3760
PHILADELPHIA

CHAPMAN SLATE CO.
BETHLEHEM, PA.
ROOFING SLATE EXCLUSIVELY
The Only Manufacturers of Genuine Chapman Slate

IRON WORK THAT STANDS INSPECTION
BUILDERS' Iron, Stairs, Railings, Etc. Wrought Iron
Gates and Fencing, Pipe Work of all Kinds—Bent
and Plain, Forgings and Special Iron Work.
ARROWHEAD STEEL GRATINGS
FRANK PETTIT ORNAMENTAL IRON WORKS
REGENT 9857 1505-15 N. Mascher Street, Phila. PARK 4147-4148

over Darby Creek. County engineer, Media, Pa. Owners, Delaware County, G. T. Wades, Media, Pa. Contract awarded Mundy Paving Co., 226 South Warnock street, Philadelphia.

Road Work, Pennsylvania. Owners, Pennsylvania Department of Highways, Harrisburg, Pa. Fayette County, R-288, S-5, A-4269, 4965, North Union and Menallen Townships. One course reinforced concrete. Contract awarded Hardy & Rankin Co., Canonsburg, Pa., \$156,851.90.

New Jersey Construction News

Bank, Ohio and Atlantic avenues, Atlantic City, N. J. Architects, Tilghman-Moyer Co., 141 North Ninth street, Allentown, Pa. Owners, Seaside Trust Co., E. C. Morstedt, president, on premises. Brick, 1 story. Preliminary plans in progress.

Residence, Baltic avenue and Beach, Atlantic City, N. J. Architect, A. L. Brooks, Humphreys Building, Atlantic City, N. J. Owners, name withheld. Stucco, 2½ stories. Preliminary plans in progress.

Residence (add.), Crosswicks, N. J. Architect, Harry Parker, 1220 Locust street, Philadelphia. Owner, William DeCou, Jr., care of architect. Stone, 3 stories, 39x36 feet, slate roof, hardwood floors, hot water heat, electric light, tile work (septic tank reserved). Architect taking bids due January 6th.

Store and Office Building, Lodge Building, Pennsgrove, N. J. Architect, C. R. Peddle; associate, S. Wasserman, 136 South Fourth street, Philadelphia. Owners, Odd Fellows' Association, Pennsgrove, N. J. Cast stone, brick, slag roof, pine floors, steam heat, electric light. Architect taking revised bids due January 3rd.

Twin Residences (12) West Atlantic City, N. J. Architect, A. L. Brooks, Humphreys Building, Atlantic City, N. J. Owner, Benjamin R. Fox, 1102 Atlantic avenue, Atlantic City, N. J. Stucco, 2 stories, 32x25 feet, slate and slag roof, hardwood floors, hot water heat, electric light, tile work. Owner will build.

Residence, 135 North Thirty-fourth street, Camden, N. J., \$4,500. Architect, J. L. Koster, 119 North LaSalle street, Chicago, Ill. Owner, Edward Christopherson, 603 North Thirty-second street Camden, N. J. Frame, 2 stories, 24x24 feet, rubberoid shingle roof, hot water heat, electric light. Permit issued.

School, Wildwood Crest, N. J. Architects, Folsom, Stanton & Graham, 10 South Eighteenth street, Philadelphia. Owners, Board of Education, Wildwood Crest, N. J. Brick, cast stone, granite, steel, 2 stories, 180x40 feet, wing 96x25 feet, wing 39x51 feet, slag roof,

cement and maple floors, waterproofing and dampproofing, cast stone, metal lath, tile work, bond, ornamental iron, metal partitions. Owners taking bids due January 9th.

Bank Building, Trenton, N. J. Architects, York & Sawyer, 100 East Forty-second street, New York. Owners, First National Bank, Hamilton Square, Trenton, N. J. Plans in progress. Architects will be ready for bids about January.

Building (alts.), Atlantic City, N. J. Architect, W. Smedley, Stephen Girard Building, Philadelphia. Owners, Abbotts' Alderney Dairies, Thirty-first and Chestnut streets, Philadelphia. Carpentry and mill work, plastering, steam heat, painting and glazing hardware, electric work, plumbing, concrete and cement work, cut stone, mineral floors, rubber tile floors, rolling steel doors, reinforced steel, structural steel, brick work, skylight shades. Architect taking bids due January 3rd, 10 A. M.

Married Doctors' Residences, New Jersey State Hospital for Insane, Greystone Park, N. J. Architects, Division Architecture and Construction, Trenton, N. J. Owners, Department Institutions and Agencies, Trenton, N. J. Low bidders: C. J. Smith Const. Co., Trenton, N. J., \$29,421. Plumbing: Philadelphia Steam Heating Co., 3318 Lancaster avenue, Philadelphia, \$4,975. Heating: Elling Brothers, Somerville, N. J., \$3,680. Electric: Harry P. Anson, Morrisville, N. J., \$2,474.

Road Work, New Jersey. Owners, State Highway Commission, A. Lee Grover, secretary, Broad Street Bank Building, Trenton, N. J. Route 30, Sec. 6 (Revision of 1927), Packer's Island to Allerton, Hunterdon County. Lowest bidders: I. B. Miller, Inc., Teaneck, N. J., \$400,737.40; Union Paving Co., 123 South Twenty-first street, Philadelphia, \$409,043.72.

New Jersey Contracts Awarded

Nurses' Home, New Jersey Hospital for Insane, Trenton, N. J. Architects, Division of Architecture and Construction, Trenton, N. J. Owners, Department of Institutions and Agencies, Trenton, N. J. Brick, reinforced concrete, steel, 2½ stories and basement, 155x52 feet, Bangor slate roof, cement and yellow pine floors (plumbing, heating and electric separate), metal lath, tile and marble, steel sash, kalamein doors, bond, iron stairs, ornamental iron, cinder concrete block, incinerators, waterproofing. Contract awarded General Cont. & Const. Co., First National Bank Building, Trenton, N. J., \$108,000. Plumbing: J. Miller Heidweiler, 526 Hamilton street, Trenton, N. J., \$8,772. Heating: Fred Wackenhut 2416 Frankford avenue, Philadelphia, \$9,315. Electric: Jackson Electric Co., Forst Richey Building, Trenton, N. J., \$5,579.

Residence, Haddonfield, N. J. Architects, Bailey & Bassett, 421 Chestnut street, Philadelphia. Owner, R. W. Lippincott, care of architect. Brick, cut stone, steel, 2½ stories and basement, 35x25 feet, 16x20 feet, shingle roof, oak and pine floors, plumbing, ornamental iron work, bond, metal lath, tile work, hot water heat. Contract awarded M. W. Young, 2037 North Sixty-third street, Philadelphia.

Surf Bath House and Store, Boardwalk, Atlantic City, N. J. Architect, A. L. Brooks, Humphreys Building, Atlantic City, N. J. Owner, name withheld. Brick, steel, concrete, 1 story, 50x390 feet, slag roof, wood floors, electric light, steel sash and skylights. Contract awarded Raymond Wochner, Venice Park, Atlantic City, N. J.

Store Building (add. and alts.), 2406 Federal street, Camden, N. J., \$7,000. Architect,

A. B. Gill, 328 Market street, Camden, N. J. Owner, Fred Spuhler, 3200 Federal street, Camden, N. J. Brick, 2 stories, 20x20 feet, asphalt roof, hot water heat, electric light. Contract awarded William G. Mummaw, 301 Morse street, Camden, N. J.

Store Building (alts. and add.), 1429 Haddon avenue, Camden, N. J., \$5,300. Architect, private plans. Owner, Harry K. Pape, 1429 Haddon avenue, Camden, N. J. Brick 2 stories, 24x19 feet, slag roof, hot water heat, electric light. Contract awarded Benjamin F. Harvey, 1109 Empire avenue, Camden, N. J.

BRIGHT AND GAY COLORS TO BE USED ON BUILDINGS OF FUTURE

Buildings of the future will be different in appearance from any existing today. This will be true of their color, at least, if representative architects, artists, builders and material men are correct in their opinions.

Old-fashioned, conventional shades, with their more or less drab monotony, will be outnumbered by varied and brilliant hues in terra cotta and similar materials—in the daytime, clear and beautiful, and at night sparkling like jewels in the flow of myriad lights.

Such is the scene suggested by paintings exhibited at the recent Architectural Allied Arts Exposition. Architects who foresee the use of color in building, to a greater or less degree, include Ely Jacques Kahn, Fredric C. Hiron, John Sloan, Joseph Urban, designer of the new Ziegfeld Theatre, and now engaged as one of the architects for the new Metropolitan Opera House, and Raymond Hood, designer of the American Radiator Bldg., and the Chicago Tribune Tower.

With a large group of authorities agreeing that the buildings of the future will be of the colored type, the first pure example has still to be erected. In modified forms, it is true, there are a number of illustrations today. The Radiator Building is black, with a golden top. Many buildings of conventional shades are decorated or capped with brighter colors. Many white buildings are illuminated with soft lights at night. But there is none in which solid shades of the "new" colors are used as frankly and unrestrainedly as it is declared they will be used.

The delay is attributed to hesitancy of property owners to risk anything not done before. When the first such building is completed, demonstrating its beauty, it will be followed by scores of others, it is predicted.

Many architects already have more or less definite ideas and plans for such buildings, and are awaiting only the word of property owners and builders to go ahead. Manufacturers of terra cotta and similar materials which can be produced in the proper colors are prepared to supply the necessary facings.—*Building Industry.*

HOOVER SEES WINTER BUILDING AS BOON TO ALL INDUSTRY

Labor As Well as Capital Benefited By Elimination of Seasonal Fluctuations

The increasing practice of American industry in general and the building trades in particular to eliminate the traditional "winter slump" is noted by Herbert Hoover in his annual report as Secretary of Commerce, just made public.

While a large number of agencies continue to abide by the exploded theory that construction in winter is both inadvisable and prohibitive, there is a definite trend toward utilization of the winter months for construction of every type, it is stated.

"The seasonal fluctuations in building and other construction operations," says Mr. Hoover, "have been decidedly less marked in the last three or four years than previously. Contractors, the owners of buildings and other groups connected with construction have put forth serious efforts to keep building activity more nearly even throughout the year, and have had the active co-operation of this department in achieving tangible results.

"As a consequence, building-trades workers have enjoyed more stable employment, and at the same time the costs of construction to the public have undoubtedly been lower than would otherwise have been possible."

Economists point out that winter building means the advantage of earlier completion and enjoyment of private homes, a reduction of overhead for contractors, earlier profits for builders of apartments and hotels, uninterrupted programs of civic and other governmental improvement projects and benefits to labor in constant employment as well as to capital in the circulation of otherwise idle money.

THE NEW ECONOMICAL WAY TO BUY BUILDING

By G. SZMAK, *Economist*

An economical purchase is the result of positively knowing why, how and what to buy. To replace the wasteful and uncertain methods of buying building, which do not assure the buyer quantity, quality

or economical price, there has developed during the past fifteen years a new and efficient service. The buyer may now receive a positive record of his purchase, showing the exact quantity and quality of materials and workmanship, in uniform units of measurement. With the aid of this record the buyer can determine the exact cost of his purchase based on the unit prices bid for the work by contractors. This system gives the buyer absolute assurance without having to take the word of anyone for the fairness, accuracy

Get our Estimate when
Planning to Build
Especially in New Jersey

WM. C. MAGEE

*Contractor and
Builder*

**315 Cattell Avenue
West Collingswood, N. J.**

Bell Phone : Collingswood 951 W

PLASTERING

Plain and Ornamental

KEEN BROS.

410 Wayne Avenue

MERCHANTVILLE, N. J.

Bell Phone : Merchantville 549 M

**TILE
MARBLE
MOSAIC
CERAMICS**

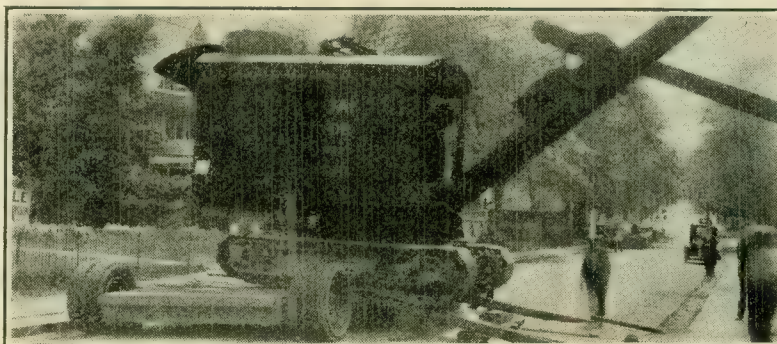
Camden Tile Co.

1484 Bradley Avenue

CAMDEN, N. J.

BELL PHONE
CAMDEN 5686 R

HEAVY TRAILERS FOR HIRE



Steam Shovels, Cranes, etc.,
moved any time or anywhere
by hour, day or contract.

*Excavations and Foundations
Steam Shovel Work
Contracts, Etc.*

**GENERAL
CONTRACTING CO.**

68th Street and Greenway Avenue
Woodland 8862

and economy of his purchase. The record or instrument of purchase known as a construction survey, shows the exact quantity and quality of materials and labor required to erect the building.

Construction surveys are now recommended by every up-to-date architect and builder because it helps them to give the buyer better service at a cheaper price. The construction survey is a measurement and tabulation prepared from the architect's plans and specifications just before the drawings are submitted to contractors for bids. This survey accompanies the plans and specifications and forms an exact basis for the contractor's bids without possible variation or misinterpretation, which always reflect to the disadvantage of the buyer because it is only reasonable for contractors to protect themselves against possible loss. It always costs a good deal of money not to state or know the facts, whether you are buying a suit or a building.

The buyer is now in position to use the facts merely by having the architect or engineer provide a professional construction survey with the plans and specifications. The cost of the survey is known to the buyer in advance and it may be included in the contract of the builder. Therefore it not be a burden of expense to the buyer any more than under

the old system. In fact, it costs less than before, because it does not involve a wasteful duplication of surveys. Under the old system, a survey of some sort is prepared by each contractor, sub-contractor and dealer bidding on the work. However, the buyer does not receive the direct benefit of these surveys.

The cost of a professional survey is only paid for once, whereas under the old system the expense of surveying is as manifold as there are contractors, sub-contractors and dealers bidding on the materials and labor required for the building. Under the new system there is only one professional survey prepared to serve all purposes of the owner, architect, contractor, sub-contractors and dealers regardless of the number of bidders on the work. This means the elimination of one or two hundred surveys on jobs of any importance, which is unquestionably a great saving to the buyer.

Just as land surveyors assure a correct purchase of property through their survey, the construction surveyor likewise assures the buyer on the correct purchase of construction in every respect. The saving derived through using a professional survey will safely average as high as 10%, plus the increased value of materials and workmanship, which are added to the life of your building by stating and knowing the facts concerning your purchase.

There are professional construction surveyors located in nearly all of the larger cities who can capably serve your architect in the preparation of surveys and on all matters preliminary to building contracts. Don't neglect to have your architect provide you with a construction survey and thus you will be positively assured of buying an economical building.

NEW CUT CAST STONE CORPORATION FORMED

The Penn-Jersey Cut Cast Stone Company has incorporated for \$125,000. Their main office is located at 612 N. Broad Street, Woodbury, New Jersey, and their plant where they are now operating is located at 344 Haddon Avenue, Westmont, New Jersey. This plant was formerly operated by the Architectural Cut Cast Stone Company.

Walter G. Jones, who is a widely-

known business man, is President. Charles Sanzare, is Vice-President. He was formerly connected with Thomas Riley (Stone Contractors), of Philadelphia, as superintendent. Lawrence J. Darms, Real Estate Operator of Woodbury, New Jersey, is Secretary and Treasurer. Umberto A. Gasparri, who has in the past few years had charge of the plants of the Vineland Architectural Cut Cast Stone Works, the New Jersey Art Stone Company and the Architectural Cut Cast Stone Company, is General Manager of the plant at Westmont. He is widely known in this field and an expert in his line.

Adv. of this company may be found in this issue and the members of the company will be pleased to forward samples or give expert advice on anything pertaining to architectural stone.

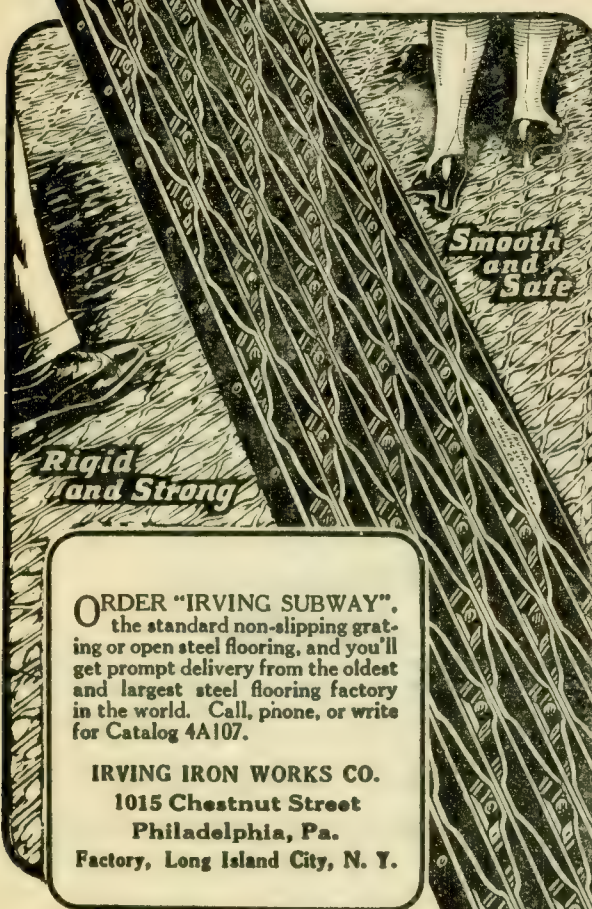
"SIZE, COST, ADVANTAGE AND SERVICE OF AN ARCHITECT"

By JAMES H. DUTHIE, of Fox, Duthie & Foose, Architects

In a later talk we will discuss in detail the questions of size, cost, good planning and good design. Suffice it to say at this time that before undertaking to build a home we should determine very definitely how much we can afford to pay for it. Its size will, to a large extent, be governed by the size of our family, our mode of living, and our ability to pay.

In order to get the most out of the specific discussion of planning, designing, size and cost which will come in a later talk, we will first consider the function of an architect and what relation should exist between architect and client in order to produce the best result. The service which an architect renders and the advantages of employing an architect for the small house are much better understood and appreciated today than they were a few years ago, thanks to those architects who have pioneered in the small house field and also to the educational efforts of the popular magazines, newspapers and trade journals. An architectural consciousness is being born in the public mind and the layman is gaining the true conception of the architect's service. Only a short time ago the architect was regarded by the majority of the people as "the man who draws plans" or worse yet,

Always-When You Need Gratings —



Smooth and Safe

Rigid and Strong

ORDER "IRVING SUBWAY", the standard non-slipping grating or open steel flooring, and you'll get prompt delivery from the oldest and largest steel flooring factory in the world. Call, phone, or write for Catalog 4A107.

IRVING IRON WORKS CO.
1015 Chestnut Street
Philadelphia, Pa.
Factory, Long Island City, N. Y.

OPEN STEEL
IRVING SUBWAY
FLOORING

Conkling-Armstrong Terra Cotta Co.

Manufacturers of

ARCHITECTURAL TERRA COTTA

All Colors and Finishes

We offer the services of our organization for consultation, approximations of cost, engineering or construction without obligation—pleased if we can be of service.

Offices—Insurance Co. of No. America Bldg.
16th and Parkway

Plant
Wissahickon Ave. & Juniata St.

Bell Phone—Rittenhouse 9559 Keystone—Race 7653 Philadelphia

"the man who makes blue-prints." Today such an ignorant point of view is the exception; almost everyone realizes the architect's function is that of an expert. Native talent developed by special education and by practical experience create in any field expert ability. The lawyer, the surgeon, the scientist, the architect, the sculptor, each in their field, have a special knowledge and skill and it is this knowledge and skill applied to the solution of your own problem of planning and designing a home that you buy when you employ an architect. The various processes of sketching, drafting, specifying and supervising are but the means to an end, the tools by which the creative ability and the expert judgment of the architect are translated into buildings which are beautiful and practical.

Almost everyone today is intelligent enough to know that when they employ an architect they are buying his thought, his judgment, his creative talent and they go to him with an open mind eager to obtain the best result which he can produce. How different this is from the old point of view, "I want you to draw me a house just like John Smith's" or "I've got this house all planned and designed, I just want you to draw it up for me." Such stupidity is rare today, although it was quite common a few years ago. This new intelligence awakening in the public consciousness regarding the architect and his service will exert a far-reaching influence for good upon the architecture of our homes. And why should not the home, the smallest home as well as the largest, have the rank of architecture? Why should architecture be confined to a few monumental and commercial structures and to the homes of the wealthy while the vast majority of construction which consists of the homes of the average family remains unspeakably ugly and crude.

Now I do not, at all, mean to convey the idea that you should only tell your architect that you want him to plan and design a house and keep silent about your

likes and dislikes. By all means tell your architect how much you can afford to pay for a house, how many rooms you need, your manner of living and what things appeal to your taste. If the simplicity and symmetry of the Colonial style strike a sympathetic chord in your nature, tell him so; if the picturesque charm of the half-timbered English or French cottage intrigues you tell your architect. Tell him fully of your needs, tastes and ideals in order that he may express your personality in your home, but beyond this type of information do not trespass, if you wish to become the possessor of a home which ranks as architecture because of those qualities of distinction and charm with which your architect can endow it; a home whose beauty stirs the admiration of the passerby and confers the mark of good taste upon those who dwell within.—*Building Industry.*

IN THE REALM OF CEILINGS

By ZOE A. BATTU, in the "Pacific Coast Architect"

Perhaps you have noticed it—that there is something psychologically peculiar about ceilings. We may enter a room luxuriantly carpeted and richly furnished, whose walls are adorned with costly hangings, but instinctively our eyes first sweep to the ceiling, to rest there for a fleeting instant. We enter a business house, store or bank—its ceiling in nine cases out of ten is the first thing that rivets our attention. We seek to find a solution to our mental perplexities in the ceiling. We cannot escape from ceilings; we are always vaguely aware of their presence, and though we may never consciously analyze the nature of our reactions to certain ceilings, they are, nevertheless, satisfying or irritating to our sensibilities, as the case may be. Why?

The student of psychology and philosophy could no doubt supply any number of plausible reasons for our instinctive interest in ceilings. But we shall not

concern ourselves greatly with any of these, merely accepting the fact of our inherent attraction to ceilings, and considering what essentials the architect may bring to them to render them esthetically expressive and beautiful.

Thinking back upon it, the ceiling in the great cathedrals and palaces of Europe; the ceilings in those homes, hotels, railroad stations, public and business buildings at home and abroad that have impressed themselves upon our memories have done so because they were expressive. Somehow they caught, held and embodied the dominating idea, the spirit of the building and its purpose. They were the epitome, the dramatic climax, of the story of the motives which the structure served—motives of reverence, worship, comfort, relaxation, amusement, beauty, finance, commercialism.

Expressiveness, then, appears as the major element in ceiling design, and nowhere is this better exemplified than in bank architecture. A score of years ago the financial house sought to impress the public with a sense of its remote and impregnable strength; to inspire almost fear and trembling. The ceilings of that banking era were lofty, of cold, lifeless material in restrained formal design. But now the world of finance comes down to the level of the street, employing all the sales arts of the market place. More and more are the ceilings in banking houses being touched with bright, gay colors and fanciful designs; unusual materials are being used and illumination employed that gives illusive vagaries of light and shade. All this is expressive of the fact

WE SELL

With or Without Service

FLOOR HARDENERS
WATERPROOFINGS of Every Description
PLASTER BOND
WAX for Cement Floors, (in Colors)
COLORSTONE, the Integral Color
 and Hardener for Cement Floors
CONCRETE COATINGS of All Descriptions
ANTI-STAIN, to Protect Work from Stains
FREEZEPROOFING COMPOUNDS for Concrete

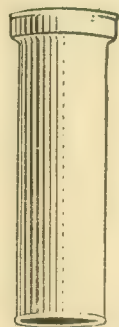
Experts to supervise or install furnished
if desired

BUILDERS SPECIALTY CO., Inc.

1844 North Front Street, Philadelphia

Phone—Regent 5911 Park 1373

"ORTHITE" Products for Every
Requirement in Concrete



FLUE LINING, WALL COPING, SEWER PIPE

On every order you can **DEPEND** upon the efficiency,
 courtesy and thoroughness that characterizes our
REAL SERVICE

William H. Clausen

Columbia
6526-6527

27th and Diamond Streets, Philadelphia

Park
4981

**GENERAL
INSURANCE**

SMITH-AUSTERMUHL CO.

5th and Market Streets, Camden, N. J.

BELL PHONE, CAMDEN 3210

KEYSTONE, CAMDEN 3147

**SURETY
BONDS**

that banking and finance are talking in terms that every other line of business employs, and architecture is one of their most eloquent mediums.

In the effort to achieve expressiveness in ceilings, we see here and there, in buildings of every kind, size and purpose, that this quality is realized without any intelligent regard for relationships. That is, effects secured which are clever and original in themselves, but which have no actula or symbolical connection with the room and the building. The ceiling in such a case has the rather startling and disconcerting effect of a suspended mass without visible means of suspension.

So the architect, building owner or home builder, with high enthusiasm for a ceiling that will be quite different from anything that has been done before in material, design and ornamentation, will do well to pause and consider whether the proposed material and treatment will be a logical continuation of the essentials of the structure, or merely the injection of a diverse and alien element. This is not a plea against a spirit of free experiment in ceilings, or a condemnation of the use of materials differing from those used in the main masses of the building.

Far from that! The ceilings in our homes have so universally been cut and dried areas of plane surfaces that any architect who will take the time to consider how he can give them vitality and interest, through experimenting with color, texture, design, contrasting materials, lighting, this, that or the other device his imagination may suggest, will surely reap a reward not only in appreciative clients, but in the satisfaction of having made noteworthy contribution to American home architecture.

In the public and business building field the professional and lay mind generally appears more alive to the possibili-

ties of ceilings. This is reflected in the fact that in the noteworthy hotels, banks, public utility buildings, theatres, club-houses, office buildings and the like, constructed within the past few years, the architects with but occasional exceptions have wrought ceiling work of exceptional originality in conception and fine craftsmanship in execution. As a matter of fact, one or two of these jobs have ceiling work which has few equals for its rich imaginativeness, its fine harmonization of theme and materials with those of the building generally and perfection of execution. In this class of work, at least, we have certainly become "ceiling conscious," and the whole trend of effort in this direction indicates a contribution peculiarly creative, beautiful and virile to the architecture of the country.

ART IN ARCHITECTURE

By V. OGLOU, Designer

There is always a great deal of controversy about the eternal question of art in architecture and the amount of effort and money that should be expended for it to achieve a successful building.

On one side, the so-called practical group tolerates art only for what material gains it can bring them, begrudges its existence, recognizes no standards, makes no effort along these lines. On the other side, the so-called artistic group retaliates in the same fashion, setting only a standard of artistic expression, sometimes at the expense of the owner and investor. The result is a very sad lack of co-operation, a tremendous waste of material, money and energy, and a very unsatisfactory condition. And yet it is only a lack of good will that often separates the two groups from a co-operative understanding and achievement in the line of building and architecture.

Artistic expression is not an affectation or an incidental occurrence, but it is an integral part of our emotional life. As such, it has its origin far back in the prehistoric age when the human brain was still in its infancy. From these first efforts of the caveman and up to the present time we have many documents telling of that phase of our life which is called artistic expression.

Art has expressed itself through many channels, but one of the most important, the one that often combines all forms of it for one purpose, was the art of building or architecture. The desire for decoration and embellishment was especially strong in buildings where the ruling emotion of the day was to be expressed by the people in it.

The civic pride of ancient Rome expressed itself in beautiful public buildings, the great religions of the middle ages expressed themselves in magnificent places of worship, the love for luxury, wealth and power expressed itself in the palaces of Europe and the great homes of America. And all throughout the years art went always hand in hand with building, changing its phases as the world ideas changed, but always remaining there in some form or another.

This day and age, although different in many respects from the past generations, has retained all the fundamental emotions of the human being, and the desire for artistic expression is just as strong today as it was a thousand years ago.

Now there is a great deal of argument as to what are the standards of art in architecture and the general opinion is that art is nothing but feeling, and anybody who feels is an artist, and everybody has the right to feel about it as they please. It is true that artistic expression is of a highly individualistic nature, but to reject completely the existence of all

A. HUSKEY

PORTABLE

MEYER COSSOY

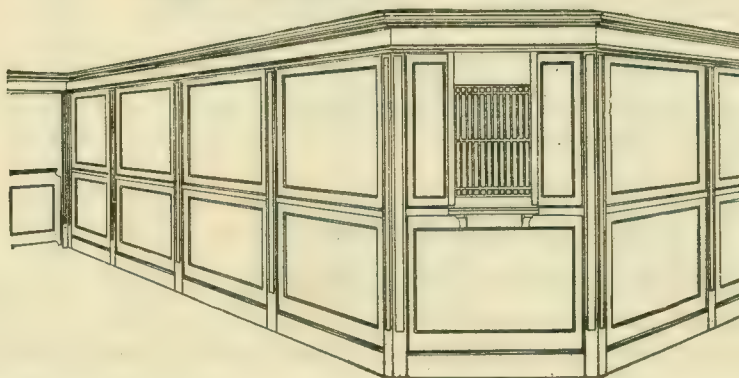
OFFICE PARTITIONS

"MADE BY HAND, SOLD BY FOOT"

**STORE
FIXTURES**

FOR ALL KINDS
OF

STORES



**CABINET
WORK**

OF EVERY
DESCRIPTION

25,000 FEET ALWAYS IN STOCK

IMMEDIATE DELIVERY

HUSKEY MANUFACTURING CO.

Telephone, Park 1144

Columbia Avenue, Howard to Waterloo Streets

standards in art is just as illogical as to think that a man can build a locomotive on inspiration alone.

The question comes up as to how shall we achieve artistry in building, what reason is there to do it, and what standards shall we assume? As to the standards, these are no better than those of education, ability and experience, and if we follow along these lines we will achieve better results than in any other way. It is essential, however, to look for all three, and especially for the first two qualifications, because they form the foundation on which every successful enterprise is based.

The good reason for a permanently artistic and satisfactory architectural design lies not only in the pleasant emotional reaction that is derived from it (which in itself is of great value), but also in a financial stability. The house poorly designed quickly depreciates, not only in material, but also in looks.

The best illustration of this example is the fact that when a loan firm was called to make an appraisal for a loan on a very well built house, but of a very mediocre type of architecture, the appraiser made the following statement: "Of course, the house is a fine house, but you know it has no architecture and will be hard to sell."

It is hard to assume that the man had the correct knowledge of taste; however, it is logical to assume that if the house was designed right, there would be no objections or questioning as to its architectural merits.

And as to the amount of money to be expended on a building to create a satisfactory artistic effect, this is the answer: "It costs no more to make the building a work of art."—*East Bay Builder*.

EFFLORESCENCE ON BRICK WALL

Since the days of the third Napoleon, the problems of efflorescence on brick walls has been under consideration, and for a long time, as Mark Twain said of the weather, "Everybody talked about it, but nobody did anything about it." Later the chief activity seems to have consisted of taking sides in a controversy as to whether the brick itself or the mortar used was to blame.

As a matter of fact, the materials causing efflorescence may occur in the mortar, in the mortar color, in anti-freezing mixtures, in the soil, in water, in concrete used for foundations, floors, steps, coping, caps, sills, etc., in the soot that accumulates on foofs and possibly to a limited extent, in the brick itself. Backing up brick and tile made of other materials than burned clay are a prolific source of efflorescence.

The materials causing efflorescence may be any one or more of the following: sulphates, chlorides, carbonates and nitrates of calcium, sodium potassium, magnesium and iron and others, no doubt. But whatever the material the *presence* and *evaporation of moisture* is an essential factor.

Development in the art of brickmaking is such that there is little opportunity for efflorescence to develop from within the brick itself. In the first place, there is careful selection of raw materials to eliminate harmful elements and every effort is made to prevent their intrusion. If necessary, chemicals are introduced to convert soluble materials into insoluble forms. Finally burning is carried to such an extent that fusion of any harmful ingredients present results.

It is equally important that the same care and precaution be used in the fabrication of the completed wall and in its subsequent treatment. It must be borne in mind that ordinary mortar is made up largely of lime, with more or less magnesium, and that the more soluble salts may be introduced with the sand and mixing water. Red mortar color, particularly, contains iron sulphate. Portland cement concrete and mortar are in a state of continual change and in the presence of moisture, free lime is formed. Soil and soil waters contain lime and other salts. In the presence of moisture and of these deleterious materials may be brought to the wall surface by capillary movement and be deposited thereon as the result of evaporation.

Water must be employed in the fabrication of concrete and in the preparation of all kinds of mortar. A moderate amount of initial efflorescence, therefore, well may be expected, but is of little concern. Subsequent appearance of efflorescence may occur also if proper methods of design and construction have not been followed or if improper practices are involved. Such subsequent appearance is of more importance and may become more or less permanent.

Much of the difficulty may be avoided if due precautions are used. Especial care should be exercised in the selection of materials, particularly sand, gravel and water to be used in making mortar or concrete, to make sure that they are as free

as possible from deleterious substances.

Attention should be given also to the arrangement and protection of the various elements of the wall and to subsequent treatment of the wall and its appurtenances.

If concrete foundations are used, a strip of heavy asphaltic roofing should be placed between the foundation and the brick wall.

All concrete sills and caps and coping should be provided with proper drips.

Foundations of all kinds and retaining walls should be water-proofed on the soil side with an approved asphaltic compound.

Portland cement mortar should be used for all walls making contact with the soil or in a position where water from sprays or eaves drips may reach them. Elsewhere, low magnesium mortars are preferable to high magnesium mortars.

Roofs must be designed and constructed so that no water may reach the walls.

Eaves troughs and downspouts must be properly designed and constructed and be kept in repair.

Sprays should not be permitted to play directly against walls, and care should be used in the process of scrubbing porches and steps. In connection with the latter there is danger not only with respect to the water itself, but because of the soap or washing compound used.

Efflorescence mars the appearance of a brick wall and may result in disintegration of the mortar and even the surface of rough texture brick.—*Associated Contractor*.

SOUNDPROOFING OF APARTMENT HOUSES

By V. L. CHRISLER, Associate Physicist,
Bureau of Standards. Technology
Paper No. 337

With the increasing number of apartment houses and office buildings and the consequent concentration of human activities in close proximity, the problem of sound insulation is rapidly becoming one of the first magnitude. In the construction of such buildings increasing attention is being given to the choice of materials and to the type of construction which may be expected to give a satisfactory

SPOT That Disintegrating and Unsightly Appearance of Concrete, Stucco and Other Masonry Surfaces with

Kling Koat Cement Coating

Manufactured in White and Eight Attractive Shades

Concrete Waterproof Paint Company

Manufacturers and Appliers

Waterproofings, Dampproofings and Technical Paints

829-835 North 3rd Street

Philadelphia, Pa.

degree of sound insulation. Until the last few years there has been but little information available on this subject, but recently several laboratories in this country and abroad have given systematic study to the conditions underlying this problem. Among these laboratories the Bureau of Standards is included.

About four years ago the Bureau of Standards constructed a special building for the purpose of making tests of the acoustic properties of building materials, and since then it has tested a large number of partition walls of the types commonly used in building construction. At the present time attention is being directed to various types of masonry walls and floors. It has been gratifying to find that several associations representing the building trades have considered it worth while to co-operate in this program of experimental work. Such co-operation has been available from the Gypsum Industries (Inc.), the National Lime Association, and the Hollow Building Tile Association.

To form a clear idea of the problem of sound insulation it is necessary to consider how the air vibrations which constitute sound waves are transmitted through a partition wall from one room or space to another.

Sound waves in air consist of alternate compressions and rarefactions, and if there are no holes or cracks in the wall to provide an air path along which the waves can pass directly from one side to the other, the only mode of transmission is by setting the wall itself in vibration. The wall yields a very little to the pressure of each sound wave that strikes it, so that it is thrown into a corresponding state of vibration; and the vibrating wall, in turn, sets the air on the other side in motion, just as the diaphragm of a telephone receiver or of a loudspeaker set up sound waves which are then propagated through the air to the listener's ear.

A solid wall or a smaller panel, such as a wooden door, thus acts like a more or less elastic diaphragm held at the edges, and it is obvious that the less the wall moves back and forth in response to the sound waves falling on one side of it, the fainter will be the sounds set up on the other side. Hence, making the wall stiffer or heavier, or both, makes it a better sound insulator.

The behavior of compound walls containing enclosed air spaces is not quite so simple, and as an important practical case we may consider the common lath-and-plaster partition supported on studs.

Each face of such a wall consists mainly of a series of rather light and flexible panels, held more or less rigidly at their edges by the studs. The two surfaces are separated by an air space except at the studs, where there is a rigid cross connection which ties the two surfaces together

and at these points forces them to move back and forth simultaneously, if at all. Under the alternating pressure impulses of sound waves the studs yield a little and the wall may vibrate as a whole, but each of the more flexible panels may also vibrate separately, its center moving more than its edges, and we may consider what happens to the middle of the panel, disregarding the motion of its edges, for the present.

The surface toward the source of sound is thrown into vibration, and this sets up corresponding sound waves in the dead air space. These throw the second surface into vibration, and so, finally, sound waves are set up in the air on the farther side of the wall. A simpler way to look at it is that the inclosed air acts like an elastic crosstie between the two layers of lath and plaster, but this connection is so weak that the motion of the second surface is very much less than that of the first. The connection is very ineffective, the transmission is low, and the air space is a good insulator.

But if a rigid cross connection is established in the middle of the panel the two surfaces are obliged to move together; and while the first surface is prevented from moving so much, the second moves very much more, and the net result is that the transmission is increased. Thus, while a single strut or crosstie does not constrain the whole panel, the insulating value of the air space is very much reduced.

If we consider any two adjacent panels together, we may evidently regard the intermediate stud as constituting a rigid crosstie in the middle of a double panel. And although the stiffness and weight of the stud prevents the motion from being as great as if the surfaces were merely connected by a light strip of wood not fastened at the ends, measurements made at the Bureau of Standards show that the transmission of sound through a lath-and-plaster wall does occur mainly at the studs and only to a minor extent across the intervening air spaces.

It is evident from the foregoing that cross connections may be very detrimental to the sound insulating value of a lath-and-plaster wall.

Materials which are fairly good heat insulators are often introduced into this air space, as it has generally been claimed that these materials also improve the sound insulation. The effect of such a filler depends on circumstances. The filler may absorb sound, but it also forms a solid connection between the two surfaces, the connection being more or less soft or rigid according to the weight of the wall and this in itself tends to decrease the vibration of the wall as a whole and to improve the insulation.

The net result could not be predicted, but from the results obtained at the Bur-

eau of Standards it appears that such a filling material is of doubtful value. Although it has been a common assumption with builders that good heat-insulating materials are likewise good sound insulators, experiment does not bear this out in all cases. An air space is generally better than a filling material. In the experiments with stud walls at the Bureau of Standards the introduction of various filling materials into the air space between the studs resulted in nearly every case in a slight increase in the transmission of sound.

These measurements illustrate, also, another point—that weight is not the only factor which determines the sound-insulating property of a wall was about the same after the wall was filled as before, although the weight of the wall was about doubled, while for the lighter materials was slightly increased, although the weight had been increased some 50 per cent.

Paul Sabine gives the results of experiments carried out at the Riverbank Laboratories in which he found that either slag or sawdust used as a filler materially reduced the sound insulation of a double partition. The air space in the panels he used was 3 by 8 feet, but the same effect is to be expected in a space of 16 inches by 8 feet, the ordinary dimensions of the section between studs in a partition wall.

In other experiments made at the Bureau of Standards walls were constructed of two solid plaster partitions with an air space occupying the whole area between them. Measurements were taken with the space empty, and also, when this space was loosely filled with hair felt, Celotex, and Cabot's Quilt. It was found that although there was but little difference in the amount of sound transmitted in the four cases the transmission did depend largely upon the manner in which the panels were supported at the edges. For instance, considerably less sound passed through the double panels when they were supported on felt pads than when supported on a piece of wood, which acted as a tie between the two partitions.

(Continued next week.)

It is surely an injustice to your workmen as well as a source of loss to yourself to supply poor tools in your shop equipment. No man can do anything approaching good work with tools that take the edge off enthusiasm. In shop management, as in most things, details are the whole cloth. Tools are like men. They do good work or they do not, according to the character which they possess. Character in tools is a matter of good materials, expert making and correct design.

Don't be a Rip Van Winkle. Advertise and let everybody know you are awake and abreast of the times.

Reference Directory for Architects, Builders and Owners

AIR COMPRESSORS

Compressed Air Service Corp. 1015 Chestnut St., Phila.
Metalweld, Inc. 26th and Hunting Park Ave., Phila.
Plumbers Roadway Breaking Co.,
S. E. Cor. Dover and Somerset Sts., Phila.

AREA GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

ARTESIAN WELLS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

ARTISTS' AND ARCHITECTS' SUPPLIES

Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BLUE PRINTS AND BLUE PRINT PAPER

Blue Print Shop. 1520 Sansom St., Phila.
Robbins, Chas. H., Co. 1729 Sansom St., Phila.
Weber, F., Co. 125 S. 12th St., Phila.
Well, J. H., Co. 1315 Cherry St., Phila.

BOILER AND PIPE COVERINGS

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

BRICK

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.
H. M. & C. M. Siner. Church and Tacony Sts., Phila.
Excelsior Brick and Steel Sales Co.,
Bankers' Trust Bldg., Phila.
Ketcham, O. W. 121 N. 18th St., Phila.

BUILDERS

Magee, Wm. C. West Collingswood, N. J.
Mitchell Bros. 2125 Race St., Phila.

BUILDERS' SUPPLIES

Service Supply Corp. 20th & Venango Sts., Phila.
The Van Sciver Corporation,
The Parkway at 24th St., Phila.
West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

CABINET WORK

Huskey Mfg. Co. Columbia and Howard St., Phila.

CAISSONS

Foundation & Construction Co., 1320 Race St., Phila.

CAULKING

S. Libman. 877 No. 41st St., Phila.

CAST STONE

Penn-Jersey Cut Cast Stone Co. Woodbury, N. J.

CEMENT

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

CEMENT WORK

D'Lauro, John 7732 Ardleigh St., Phila.
Massiah, Frederick. Juniper and Cypress Sts., Phila.

COLD STORAGE (Insulation and Covering)

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

COLUMNS (Metal)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

CONCRETE WORK

Massiah, Frederick. Juniper and Cypress Sts., Phila.

CONTRACTORS' EQUIPMENT

Service Supply Co. 20th and Venango Sts., Phila.

CORK FLOORING

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

CRANE SERVICE

Palm, George W. 4514 N. Front St., Phila.

CURTIS WOODWORK

Gillingham Co. Norris and Richmond Sts., Phila.

DAILY BUILDING NEWS

Building News Pub Co. 1530 Chestnut St., Phila.

DAMP-PROOFING

Anti-Hydro Waterproofing Co.,
24th and Parkway, Phila.

Barnett Bingswanger, Jr. 829 N. 3rd St., Phila.

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

DOOR BEDS

Murphy Door Bed Co. 512 Bulletin Bldg., Phila.

DOORS (Overhead)

Overhead Door Sales of Phila. 1526 Vine St., Phila.

DRAWING MATERIALS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

ELECTRICAL CONTRACTOR

W. V. Pangborne & Co.,
1927-29 W. Montgomery Ave., Phila.

ELECTRICAL REFRIGERATION

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company. Gloucester, N. J.

EXCAVATING AND HAULING

General Contracting Co. 68th and Greenway Ave.

Palm, George W. 4514 N. Front St., Phila.

FENCES

Pettit, Frank, Ornamental Iron Works,
1505 N. Mascher St., Phila.

Potts, Horace T., & Co. Erie Ave. and "D" St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

FIREPROOFING

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

FLAG POLES

J. E. Lingo & Son. Camden, N. J.

FLOOR HARDENER

Anti-Hydro Waterproofing Co. 24th and Parkway

Builders Specialty Co., Inc. 1844 N. Front St., Phila.

Concrete Waterproof Paint Co. 829 N. 3rd St., Phila.

Truscon Laboratories. 1505 Race St., Phila.

FLOORING (Rubber Tile)

Hamilton Rubber Mfg. Co. 2313 Walnut St., Phila.
Selby Battersby & Co. 810 Noble St., Phila.

FLOORING (Steel)

Irving Iron Works. 1015 Chestnut St., Phila.

FLUE LINING

Clausen, Wm. H. 27th and Diamond Sts., Phila.

FOUNDATIONS

Foundation & Construction Co., 1320 Race St., Phila.

FURNACES AND RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GAS RANGES

Fleck Bros. Co. 50 N. 5th St., Phila.

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

GRATINGS

Irving Iron Works. 1015 Chestnut St., Phila.

GYPSUM PRODUCTS

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., Phila.

HEATING CONTRACTORS

Bowers Bros. & Co. 2015 Sansom St., Phila.

HEATING BOILERS

Fleck Bros. Co. 50 N. 5th St., Phila.

HOLLOW TILE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

Cox, Janeway & Co. Real Estate Trust Bldg., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

INSURANCE

Insurance Co. of North America. 1600 Arch St.

Leon Merz Co. 220 S. 16th St., Phila.

Philadelphia Fire & Marine Ins. Co.,
N. E. Cor. 15th and Locust Sts., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

Lederle, Robt. B., & Co. Witherspoon Bldg., Phila.

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Pettit, Frank, Orna. Iron Works,
1505 N. Mascher St., Phila.

Reisbord, Wolf 138-140 N. 55th St., Phila.

Whartenby, Harry A. 1823 Brandywine St., Phila.

KITCHEN CABINETS

Philadelphia Gas Range Co. 1026 Arch St., Phila.

LEVELS

Robbins, Chas. H., Co. 1729 Sansom St., Phila.

Weber, F., Co. 125 S. 12th St., Phila.

Well, J. H., Co. 1315 Cherry St., Phila.

LINOTILE

Livezey, John R.,
Glenwood Ave., w. of 22nd St., Phila.

LUMBER

Gillingham Co. Norris and Richmond Sts., Phila.

Ketcham, Howard. 3rd and Girard Ave., Phila.

Lewis Lumber Co. 324 Sloan St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

MARBLE AND MOSAIC

Belfi Bros. Co. 1923 Market St., Phila.

Camden Tile Co. Camden, N. J.

Italian Marble Mosaic Co. 433 Spruce St., Phila.

Pennsylvania Tile and Mosaic Co.,
1637 Wood St., Phila.

Roman Mosaic & Tile Co. 435 Green St., Phila.

MASON BUILDER

D'Lauro, John 7732 Ardleigh St., Phila.

Mercaldo, Vincent. 411 Locust Ave., Germantown, Pa.

METAL LATH

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

METERS

Phila. Meter Co. Real Estate Trust Bldg., Phila.

MILLWORK

Gillingham Co. Norris and Richmond Sts., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

PAVING BRICKS

Ketcham, O. W. 121 N. 18th St., Phila.

PHOTOSTATS

Weber, F., Co. 125 S. 12th St., Phila.

PILES

Foundation & Construction Co., 1320 Race St., Phila.

PLASTER (Colored)

California Stucco Products Co. 1316 Olive St., Phila.

PLASTERERS

Keen Bros. Merchantville, N. J.

PLASTER KEY

Par-Lock Appliers of Eastern Penna., Inc.,
1700 Walnut St., Phila.

PLUMBING FIXTURES

Fleck Bros. Co. 50 N. 5th St., Phila.

RANGES

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Thomson, Wm., Inc. 64 N. 2nd St., Phila.

REFRIGERATORS

Miller, Henry M. 46-48-50 N. 2nd St., Phila.

Philadelphia Gas Range Co. 1026 Arch St., Phila.

Welsbach Company. Gloucester, N. J.

REINFORCING BARS

Montgomery Iron & Steel Co. 2500 Duncan St., Phila.

Penn Steel Service Co. Fuller Bldg., Phila.

H. T. Potts & Co. Erie Ave. and "D" St., Phila.

ROAD MACHINERY

Service Supply Corp. 20th & Venango Sts.

ROOFING

Fireproof Construction Co.,
8th and Cheltenham Av.

John Nacey Co. 7254 Paschall Av.

Warren-Ehret Co. Luzerne and "E" St.

ROOFING MATERIALS

Fireproof Construction Co.,
8th and Cheltenham Ave.

MacGarvie, James B. Magnolia.

John Nacey Co. 7254 Paschall Ave.,

Pennsylvania Gypsum Co.,
Franklin Trust Bldg., P.

Warren-Ehret Co. Luzerne and "E" St., Ph.

ROOFING SLATE

Chapman Slate Co. Bethlehem, Pa.

ROOFING TILE

Hood Tile Co. S. E. Cor. Chestnut & 13th Sts., Phila.

Ketcham, O. W. 121 N. 18th St., Phila.

RUBBER FLOORING

Hamilton Rubber Mfg. Co. 2317 Walnut St., Phila.

Selby Battersby & Co. 810 Noble St., Phila.

SAFETY GUARDS

Potts, Horace T., & Co. Erie Ave. and D St., Phila.

SAND AND GRAVEL

The Van Sciver Corporation,
The Parkway at 24th St., Phila.

West Jersey Sand & Supply Co.,
Mutual Trust Bldg., Phila., Pa.

SCAFFOLDING

Patent Scaffolding Co. 2835 Bridge St., Phila.

SEWER PIPE

Clausen, Wm. H. 27th and Diamond Sts., Phila.

SHEETROCK (Wall Board)

Pearce Fireproof Co. 1911 N. 2nd St., Phila.

Shaw, James, & Son Co.,
52nd and Woodland Ave., Phila.

SHOWER BATH SHIELDS

Lehman, L. H. 1210 N. 8th St., Phila.

SOUNDINGS

Ridpath & Potter Co.,
S. W. Cor. 22nd and Cambria Sts., Phila.

STEEL ERECTING

Palm, George W. 4514 N. Front St., Phila.

STEEL SASH

David Lupton's Sons Co.,
Allegheny Ave. and Tulip St., Phila.

STONE

St. Martin's Building Stone,
Germantown Ave. & Rumford Rd., Chestnut Hill, Pa.

STUCCO MANUFACTURERS

California Stucco Products Co. 1316 Olive St., Phila.

SURETY BONDS

Insurance Co. of North America. 1600 Arch

Leon Merz Co. 220 S. 16th St., Phila.

Simpson-Anderson Co. Widener Bldg., Phila.

Smith-Austermuhl Co. Camden, N. J.

Stokes, Packard, Houghton & Smith,
S. E. Cor. 5th and Walnut Sts., Phila.

TERRA COTTA (Architectural)

Conkling-Armstrong Terra Cotta Co.,
1600 Arch St., Phila.



1792 1927

*"The Oldest
American
Fire and Marine
Insurance
Company"*

BUILDERS' RISKS ARE MANY
but the cost of protection is trifling.

Don't let a fire, windstorm, or some other eventuality catch you with nothing to defray your loss.

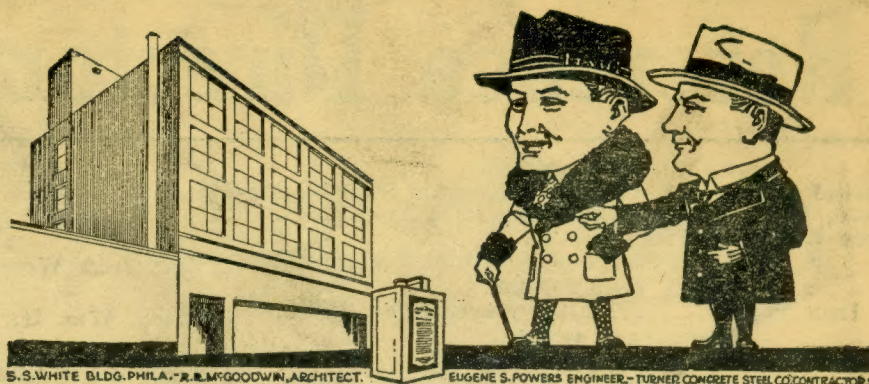
Any North America Agent will be glad to give you full information and advice on this form of insurance, without obligation.

Insurance Company of North America

PHILADELPHIA

and the

*Indemnity Insurance Company of North America
write practically every form of Insurance, except life*



"Don't let freezing weather stop your concrete work—use 'ANTI-HYDRO' and keep right on!"

"ANTI-HYDRO" lowers the freezing point of concrete to 15 degrees F. so that work can continue even though the thermometer goes way down. At the same time, "ANTI-HYDRO" permanently hardens and waterproofs concrete mixtures in one operation. Being a liquid integral compound, it mixes easily with the gauging water without the aid of skilled labor.

The concrete work on this building continued right on through freezing weather. Much valuable time was saved and results were entirely satisfactory.

For 23 years "ANTI-HYDRO" has been used on every type of concrete hardening and waterproofing work. Use it for cold weather work. It will save you time and money.

ANTI-HYDRO WATERPROOFING COMPANY
265-269 Badger Avenue - Newark, N. J.

Stock Carried By

VAN SCIVER CORPORATION, Parkway at 24th St., Phila.

YARDS: KNICKERBOCKER LIME CO., 24th and Callowhill Streets

DE FRAIN SAND COMPANY, Beach and Berks Streets

DE FRAIN SAND COMPANY, 26th and Christian Streets

THE FAIRLAMB COMPANY, 115 South 30th Street

PHONES: (also for branch yards) Bell, Spruce 6610; Keystone, Race 2421

GEO. A. SINN, Bridge Street and Frankford Creek, Phila.

Bell, Frankford 0309; Keystone, East 8980

TACONY COAL & LIME CO., State Rd. & Unruh Street, Tacony, Phila.

Bell, Tacony 1460

SUBURBAN SUPPLY CO., Oak Lane and B. & O. Railroad,

Sharon Hill, Penna., Phone, Sharon Hill 303

CAMDEN LIME CO., 412 Federal Street, Camden, N. J.

Bell, Camden 3240; Keystone, Camden 256

Keystone 'Phone :
West 2568

JOHN NACEY CO.

Bell 'Phone :
Woodland 4618

7254 Paschall Avenue, Philadelphia

SLATE, TILE, SLAG AND METAL ROOFING

SLATES

IN ALL GRADES
AND COLORS

FELT, PITCH, SLAG

**METAL CORNICES
AND
SKYLIGHTS**

ROOFING

TILES

IN SPANISH

Closed Shingle
Red and Glazes

PROMENADE TILES

WARREN-EHRET COMPANY

STANDARD SINCE 1852

Regent 2480-1

Luzerne Street at "E" Street, Philadelphia

Park 2333

BALTIMORE

WASHINGTON

PITTSBURGH

Roofing and Roofing Materials

"Martinit" Rigid Asbestos Shingles

ASPHALT SHINGLES
SLATE and MINERAL SURFACED ROOFING
SMOOTH SURFACED ROOFING

COAL-TAR PITCH
TARRED FELT
ASPHALTS

CREOSOTE OIL
WOOD PRESERVATIVES
BUILDING PAPER